

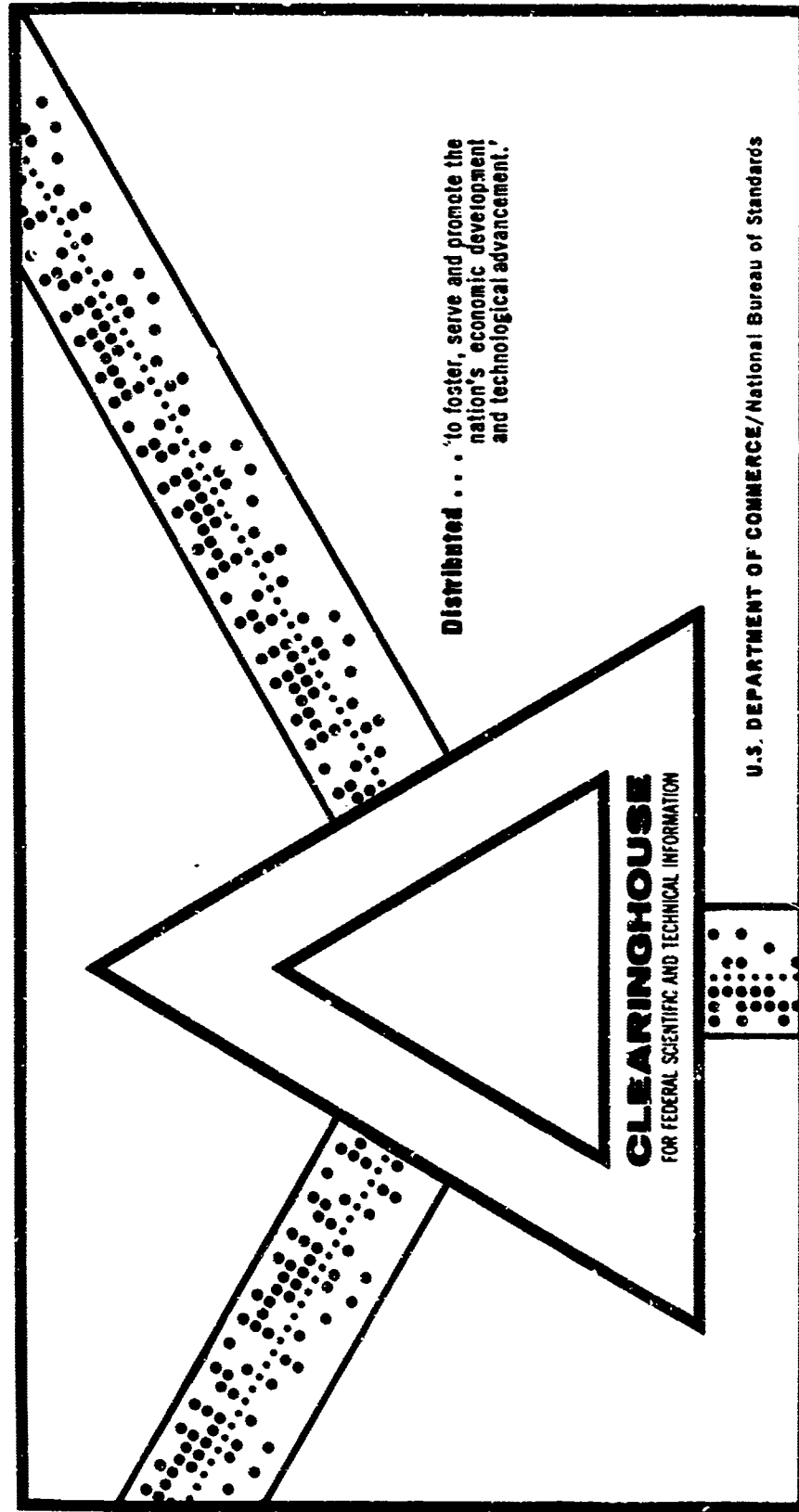
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PRESSURE MEASUREMENTS ON FOUR CONE-CYLINDER-FLARE CONFIGURATIONS AT SUPERSONIC SPEEDS

William D. Washington, et al

Army Missile Command  
Redstone Arsenal, Alabama

20 October 1969



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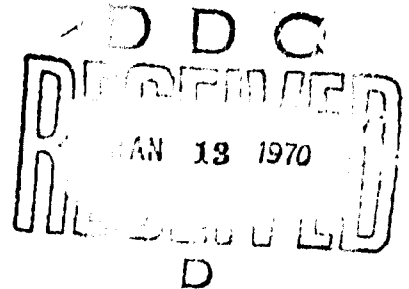
REPORT NO. RD-TM-69-11

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ON FOUR CONE-CYLINDER-FLARE CONFIGURATIONS  
AT SUPERSONIC SPEEDS**

by

**William D. Washington  
James A. Humphrey**

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**DA Project No. IM2623XXA206  
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**Aerodynamics Branch  
Advanced Systems Laboratory ✓  
Research and Engineering Directorate (Provisional)  
U.S. Army Missile Command  
Redstone Arsenal, Alabama 35809**



## ABSTRACT

Pressure distribution data are presented for four cone-cylinder-flare configurations at Mach numbers of 1.75 to 4.5. The angle of attack range was from -4 to +12 degrees. Roll angles ranged from 0 to 180 degrees. The Reynolds number remained constant at approximately  $0.45 \times 10^6$  per inch. The boundary layer was made turbulent with a grit ban. The basic pressure data ( $P/P_\infty$ ) are presented in tabular form with the test conditions printed on each table.

## ACKNOWLEDGMENT

The authors wish to acknowledge Mr. Maurice Sylvester and associates at the Ballistic Research Laboratory, Aberdeen, Maryland, for their diligence and unusual attention to detail which resulted in the acquisition of the extremely accurate, reliable data presented herein.

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## SYMBOLS

$A$	width of grit bar, in.
$B$	distance of grit bar from nose, in.
$CONF$	configuration number
$D$	model reference diameter (1.008), in.
$M_{\infty}$	free-stream Mach number
$P$	local static pressure, psia
$PINF$	free-stream static pressure, psia
$P_0$	total pressure, psia
$P/PINF$	pressure ratio
$q_{\infty}$	free-stream dynamic pressure, psia
$R$	local body radius, in.
$RN$	Reynolds number, per in.
$T_0$	total temperature, °F
$X$	longitudinal coordinate from nose, in.
$\alpha$	angle of attack, deg

## 1. INTRODUCTION

Since the strain gage balance measuring system was introduced to aerodynamic force and moment testing, little pressure distribution data have come from tests. This is logical because the strain-gage balance has provided a way of measuring aerodynamic forces and moments quickly, accurately, and cheaper in the long run. However, for flow field investigations and comparisons with theories, pressure data are scarce. Because of this lack of data, a series of pressure tests were conducted to obtain data on a representative set of cone-cylinder-flare type bodies for flow field studies.

Four models were used for this investigation. These particular models were chosen to match a set of existing configurations which have been tested using a strain gage balance for force and moment measurements. Results from these tests were published in Ref. 1.

The Mach number range for the present tests was 1.75 to 4.5. Actual model dimensions, test conditions, Reynolds number, and the wind tunnel used were the same as that in Ref. 1. The basic data, in pressure ratio form, are presented in tables with the pertinent test data printed on each table. Most of the data was analyzed for a master's thesis and was published in Ref. 2.

## 2. APPARATUS

The number one supersonic wind tunnel at Aberdeen Proving Ground, Aberdeen, Maryland, was used for these tests. The tunnel is a closed-circuit continuous flow type with variable density capability. The test section is rectangular, 15 inches high by 13 inches wide. A variable shape nozzle is used to cover a Mach number range of 1.5 to 5.0.

<sup>1</sup>U. S. Army Missile Command, Redstone Arsenal, Alabama, The Static Stability Characteristics of Several Cone-Cylinder-Flare Configurations at Mach Numbers 0.4 to 4.5 by D. J. Spring, June 1963, Report No. RF-TR-63-14 (Unclassified).

<sup>2</sup>U. S. Army Missile Command, Redstone Arsenal, Alabama, Correlation of Viscous Effects and Comparison Between Experimental and Theoretical Distribution of Potential Normal Force and Pitching Moment for Bodies of Revolution at Supersonic Speeds by William D. Washington, December 1967, Report No. RD-TR-67-12 (Unclassified).

The models were mounted on a sting with 90-degree roll capability to effectively obtain data from 0 through 360 degrees. A motor driven strut was used for angle of attack variations. Pressure tubes were placed along and through the sting to an outlet in the tunnel floor. Pressure transducers were used to measure and record local pressures. A photograph of the test setup is shown in Figure 1. High speed computers were used to reduce the raw data and give punched card output for further computerized data analysis.

### 3. MODELS

Four models were used for these tests. All models were cone-cylinder-flare configurations, except one which included a one-caliber skirt at the base. Complete model dimensions are shown in Figure 2 and a photograph of Configuration 17 is shown in Figure 3. Each model had a total of 40 pressure tubes, 20 along the top and 20 along the bottom. Pressure orifice locations (calibers from the nose) are listed in Table I. The top row of orifices is designated ( $\phi = 0$  degree) and the bottom row is ( $\phi = 180$  degrees). Therefore, for a positive angle of attack, the 180-degree orifices would be windward and the 0-degrees orifices would be leeward.

### 4. TEST PROCEDURES

These tests were run on a low priority basis depending on available time; consequently, each model was tested at different times. Configuration 2 was tested intermittently during the period of 21 May through 10 July 1964. Configuration 10 was tested from 23 November through 17 December 1964. Configuration 17 was tested during the period of 14 through 24 June 1966, and Configuration 8 was tested from 3 through 19 October 1966. In addition, a series of Schlieren photographs, Schlieren movies, and shadowgraphs were taken from 1 through 9 December 1966. Schlieren photographs and shadowgraphs were also taken during each set of runs to check boundary layer, shock patterns, and flow conditions, in general.

The test method, data reduction, and nomenclature were the same for each test, except that the angle of attack was increased to 12 degrees and the grit ban was changed for Configurations 8, 10, and 17. Table II shows the location and size of grit ban used for each configuration.

The forward set of tubes (10 on top and 10 on bottom) is the same for all configurations. The aft set (10 on top and 10 on bottom) is molded into the different flare angle shells for easy model change.

During the series of tests, several tubes on the forward set developed leaks due to use and were replaced up to the base for Configuration 17. Even with this partial replacement of tubes, several could not be adequately repaired. Therefore, some of the data will be blanked out in the tables.

## 5. TEST CONDITIONS

The tests were conducted through a Mach number range of 1.75 to 4.5. Angles of attack ranged from -4 to +12 degrees for Configurations 17 and 8, and -4 to +8 degrees for Configurations 2 and 10. The roll angles were 0, 15, 30, 60, and 90 degrees (first quadrant) on the top of the model and 180, 195, 210, 240, and 270 degrees (third quadrant) on the bottom of the model. Flow angularities in the horizontal plane were checked by rolling the model in the opposite direction at representative test conditions. Since flow angularities were negligible, the second and third quadrants should be equivalent; likewise, the first and fourth should be equal. Consequently, the third quadrant roll angles (180 to 270 degrees) will be listed on final data as 90 to 180 degrees. The 90-degree data are actually an average of 90 and 270-degree data. The Reynolds number remained constant at about  $0.45 \times 10^6$  per inch for most of the tests, with a few special runs as an exception. The Reynolds number and average total temperature are printed on each set of data. In general, the temperature deviation from average was less than 5 degrees for all runs. The boundary layer was made turbulent with a grit bar trip. Schlieren photographs confirmed the existence of turbulent boundary layer.

## 6. DATA ACCURACY AND ANGLE CORRECTION

The accuracy of the pressure coefficient data is estimated, using standard wind tunnel techniques, to be  $\pm 0.003$  at Mach numbers of 1.75 to 3.0 and  $\pm 0.001$  at Mach numbers 4.0 and 4.5. The roll angle is accurate to approximately  $\pm 0.5$  degree. The set angle of attack is accurate to about  $\pm 0.1$  degree.

Sting deflection angles were recorded for several known loads and positions. The actual load (normal force) and position (center of pressure) during test are calculated using the present test conditions and the previously reported force test coefficients ( $C_N$  and  $C_m$ ) of Ref. 1. Then, the angle of attack correction due to sting deflection can be calculated using the sting deflection data and the calculated loads.



## 7. SCHLIEREN PHOTOGRAPHS AND SHADOWGRAPHS

Several schlieren photographs, Schlieren movies, and shadowgraphs were taken during the tests and during a special setup for movies. A representative set is shown in Figures 4 and 5. The test conditions for each photograph can be found on the corresponding pressure data table.

## 8. DISCUSSION AND SUMMARY

The basic data are presented (Tables III through VI) as the pressure ratio ( $P/P_\infty$ ) at given stations ( $X/D$ ) for all roll angles. Also, presented are the minus roll angle runs (Configurations 2, 8, 10, and 17), different Reynolds numbers (Configurations 8, 10, and 17), and the no-grit case (Configuration 10). These odd runs appear at the end of each table or configuration. The test conditions are printed on each table for quick reference. The basic data of Configurations 2, 10, and 17 were analyzed and published as a masters thesis in Ref. 2. Comparisons were made between experimental and theoretical normal force distributions. A study was made of the cross flow drag distribution at the larger angles of attack. The cross flow separation phenomena were discussed and illustrations were drawn up from the present data to show the separated region.

One of the noticeable features of the Schlieren photographs is the vortex emanating from the nose. The vortex is formed by the rolling up of the separated cross flow boundary layer. The shadowgraphs do not show the vortex, as expected, but do show an interesting shock pattern near the cylinder-flare juncture. The leeward side shock starting from the flare appear to be split initially, but the windward side shock does not show such a pattern. Schlieren photographs illustrate the same shock patterns as shadowgraphs; however, no explanation is given for these observations. Possibly, the shock waves in that region have a three-dimensional nature which would be confusing when photographed as a two-dimensional plane. Another possibility could be the unsteady nature of the vortex flow interacting with the shock wave. Perhaps neither, but one can safely assume that the flow field is complex in the shock-induced separation region near the flare.

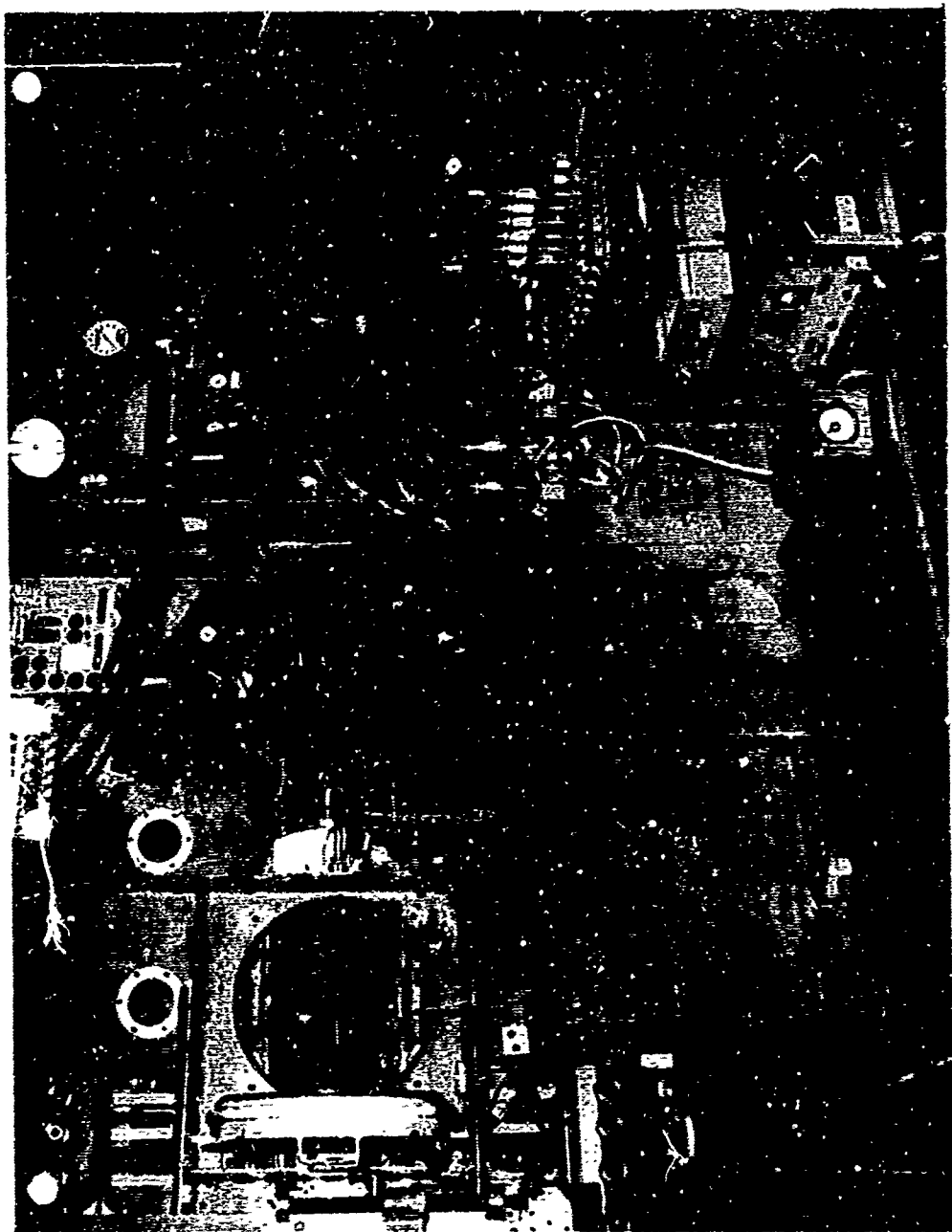


Figure 1. Test Setup

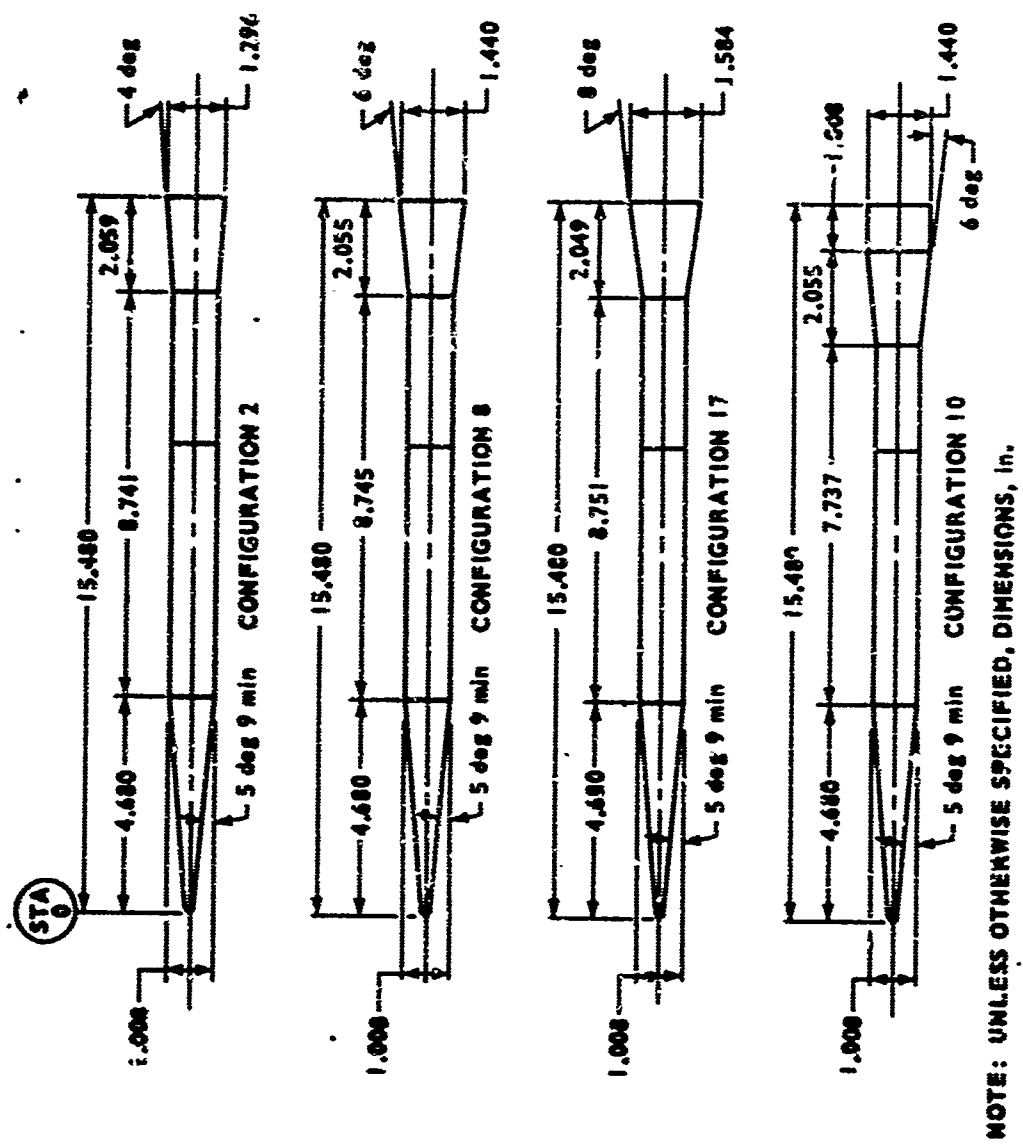


Figure 2. Complete Model Dimensions

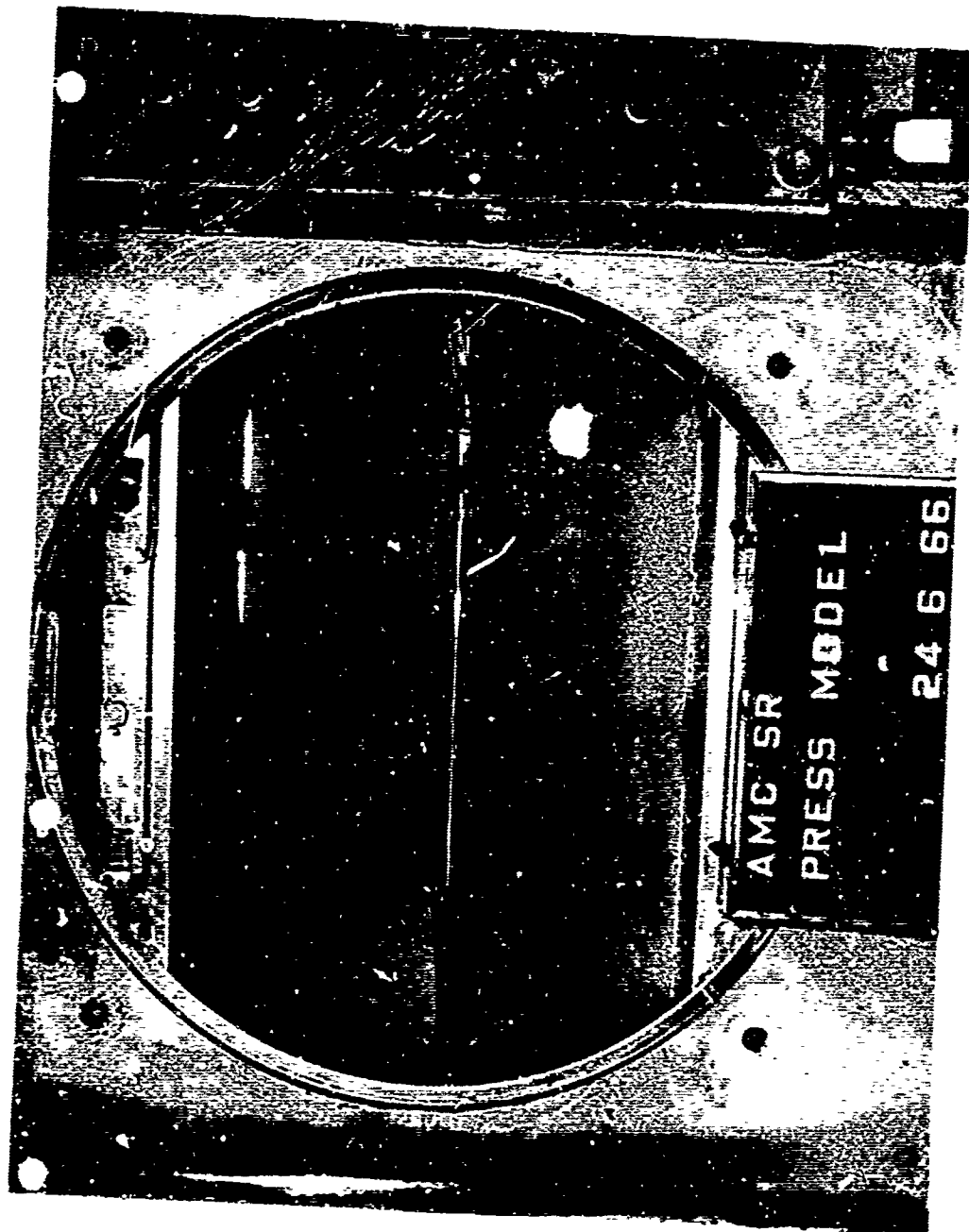


Figure 3. Typical Model

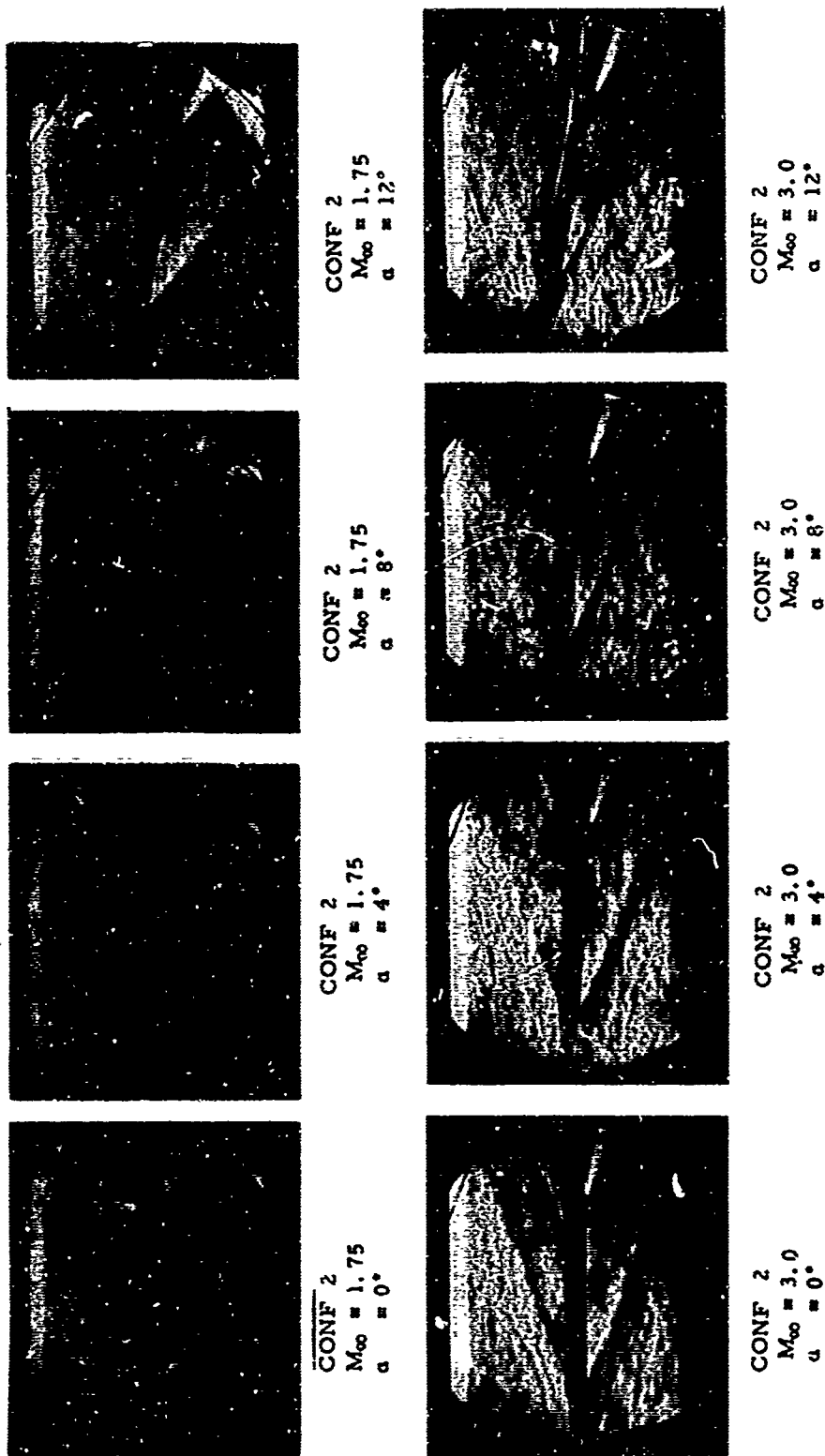
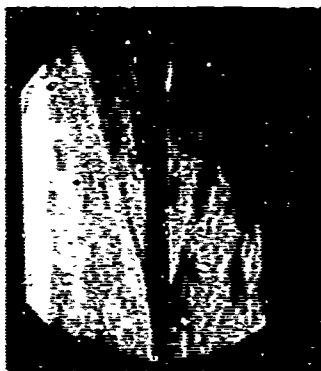


Figure 4. Schlieren Photographs



CONF 2  
 $M_{\infty} = 4.5$   
 $\alpha = 0^\circ$



CONF 2  
 $M_{\infty} = 4.5$   
 $\alpha = 4^\circ$



CONF 2  
 $M_{\infty} = 4.5$   
 $\alpha = 12^\circ$



CONF 17  
 $M_{\infty} = 4.5$   
 $\alpha = 0^\circ$



CONF 17  
 $M_{\infty} = 4.5$   
 $\alpha = 4^\circ$



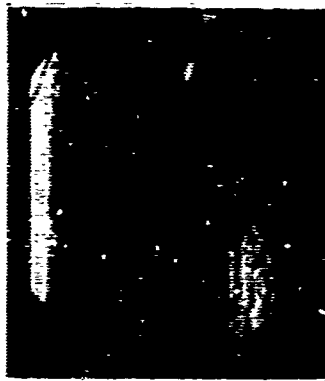
CONF 17  
 $M_{\infty} = 4.5$   
 $\alpha = 8^\circ$



CONF 17  
 $M_{\infty} = 4.5$   
 $\alpha = 12^\circ$



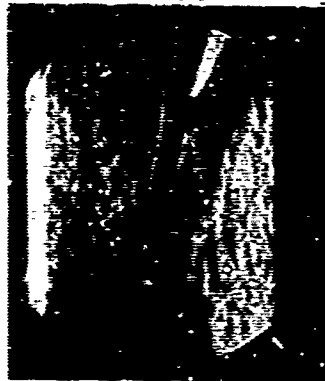
CONF 17  
 $M_{90} = 3.0$   
 $\alpha = 0^\circ$



CONF 17  
 $M_{90} = 3.0$   
 $\alpha = 4^\circ$



CONF 17  
 $M_{90} = 3.0$   
 $\alpha = 8^\circ$



CONF 17  
 $M_{90} = 3.0$   
 $\alpha = 12^\circ$



CONF 10  
 $M_{90} = 3.0$   
 $\alpha = 0^\circ$



CONF 10  
 $M_{90} = 3.0$   
 $\alpha = 8^\circ$



CONF 8  
 $M_{90} = 3.0$   
 $\alpha = 0^\circ$



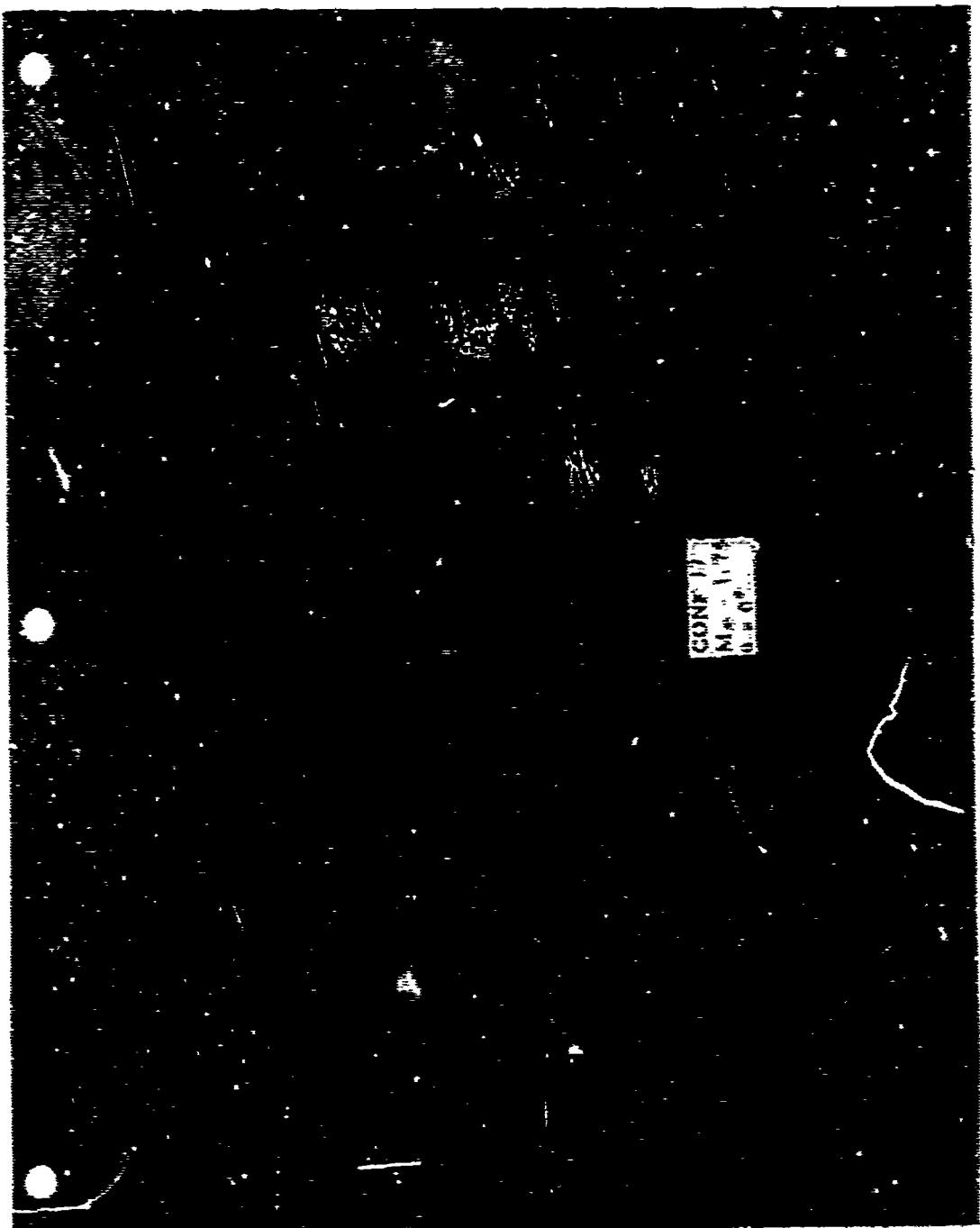
CONF 8  
 $M_{90} = 3.0$   
 $\alpha = 12^\circ$

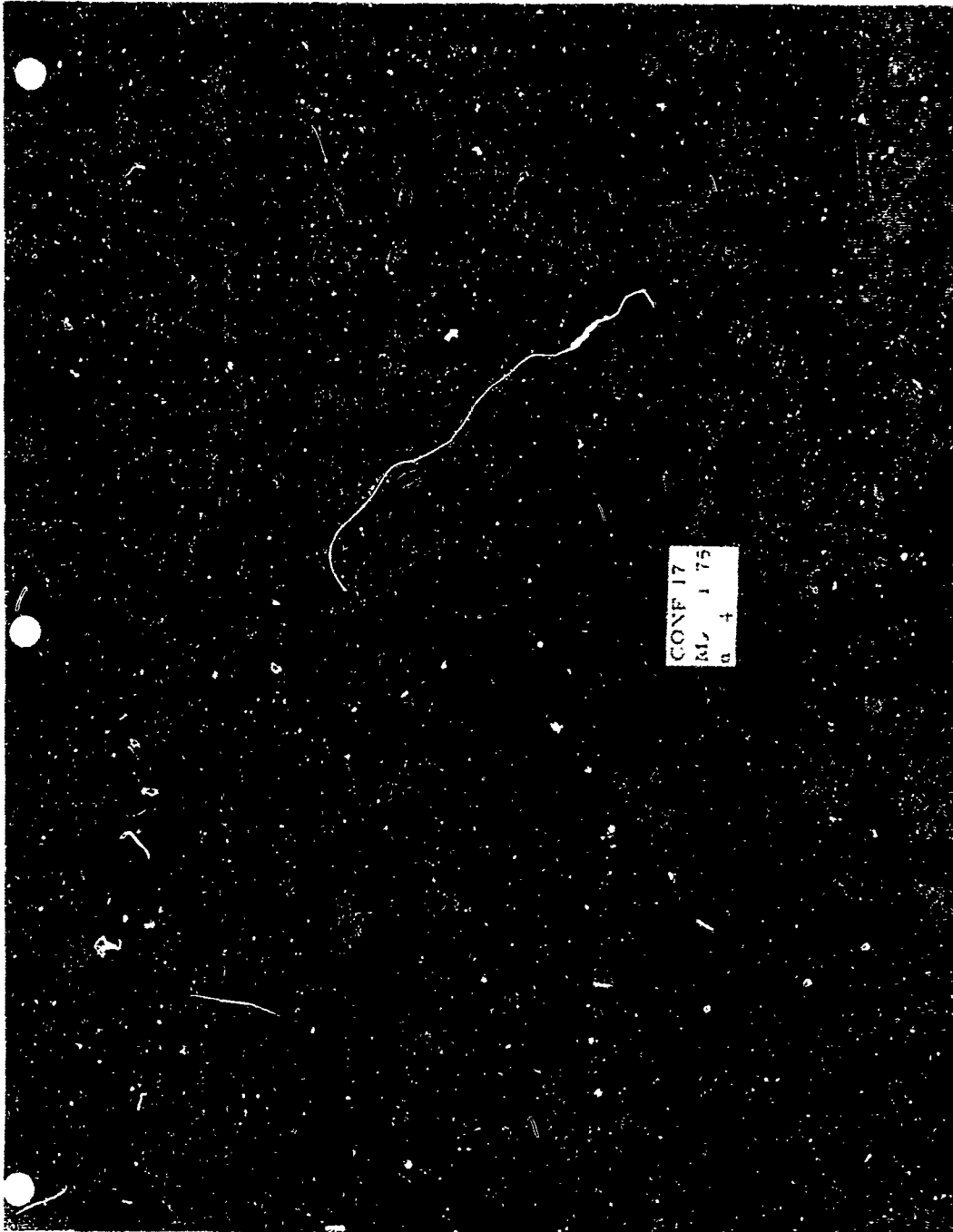


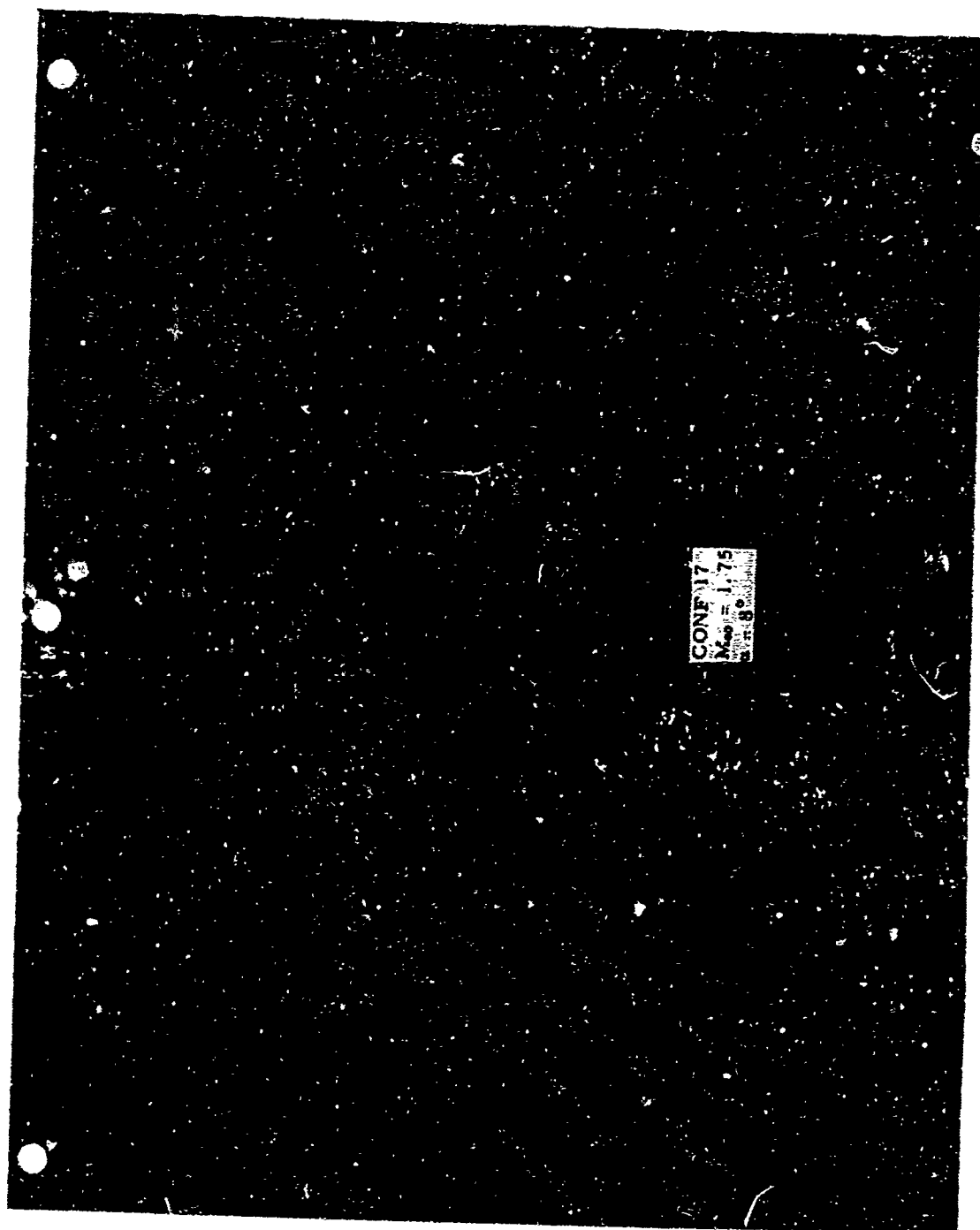
Figure 5. Shadowgraphs





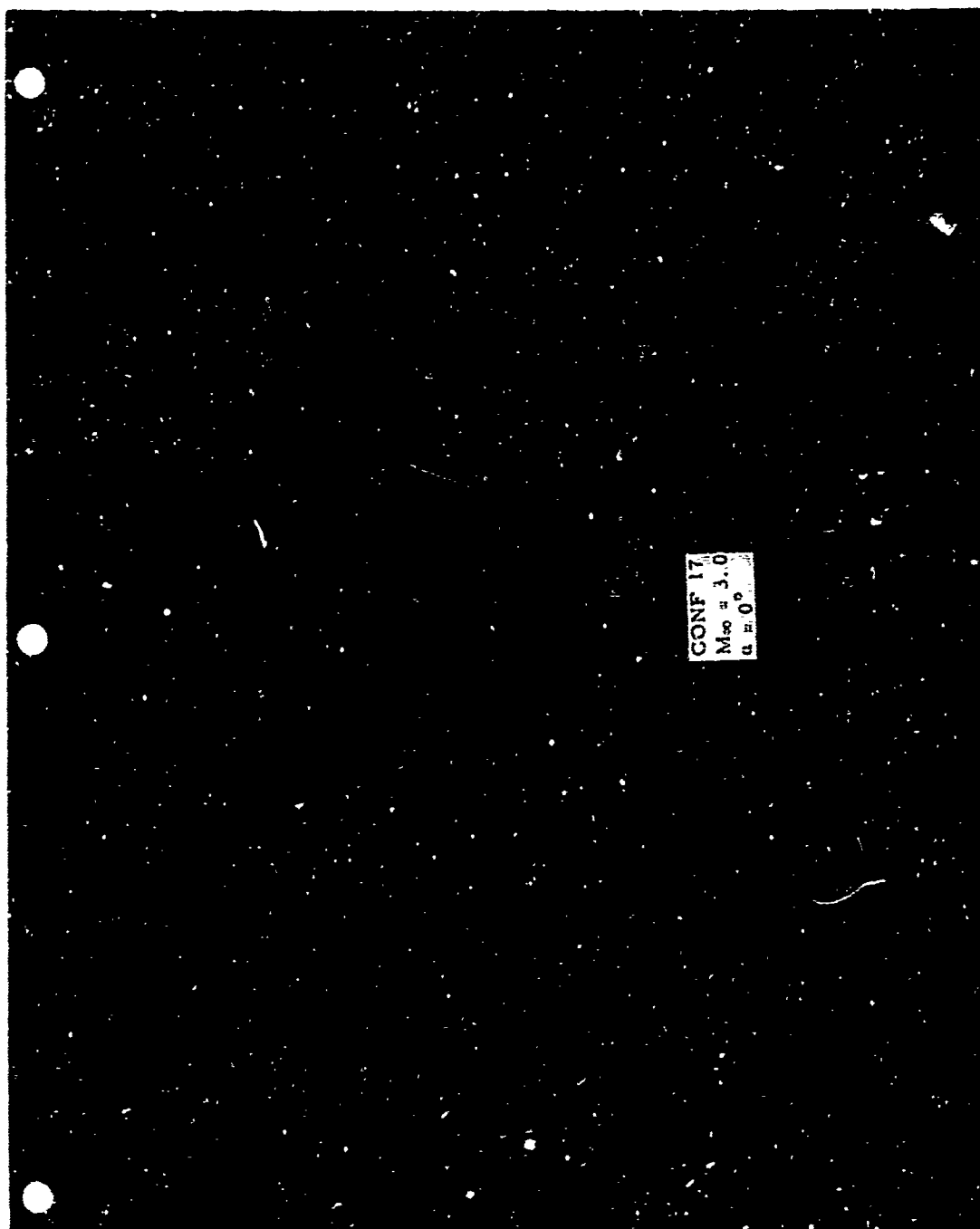




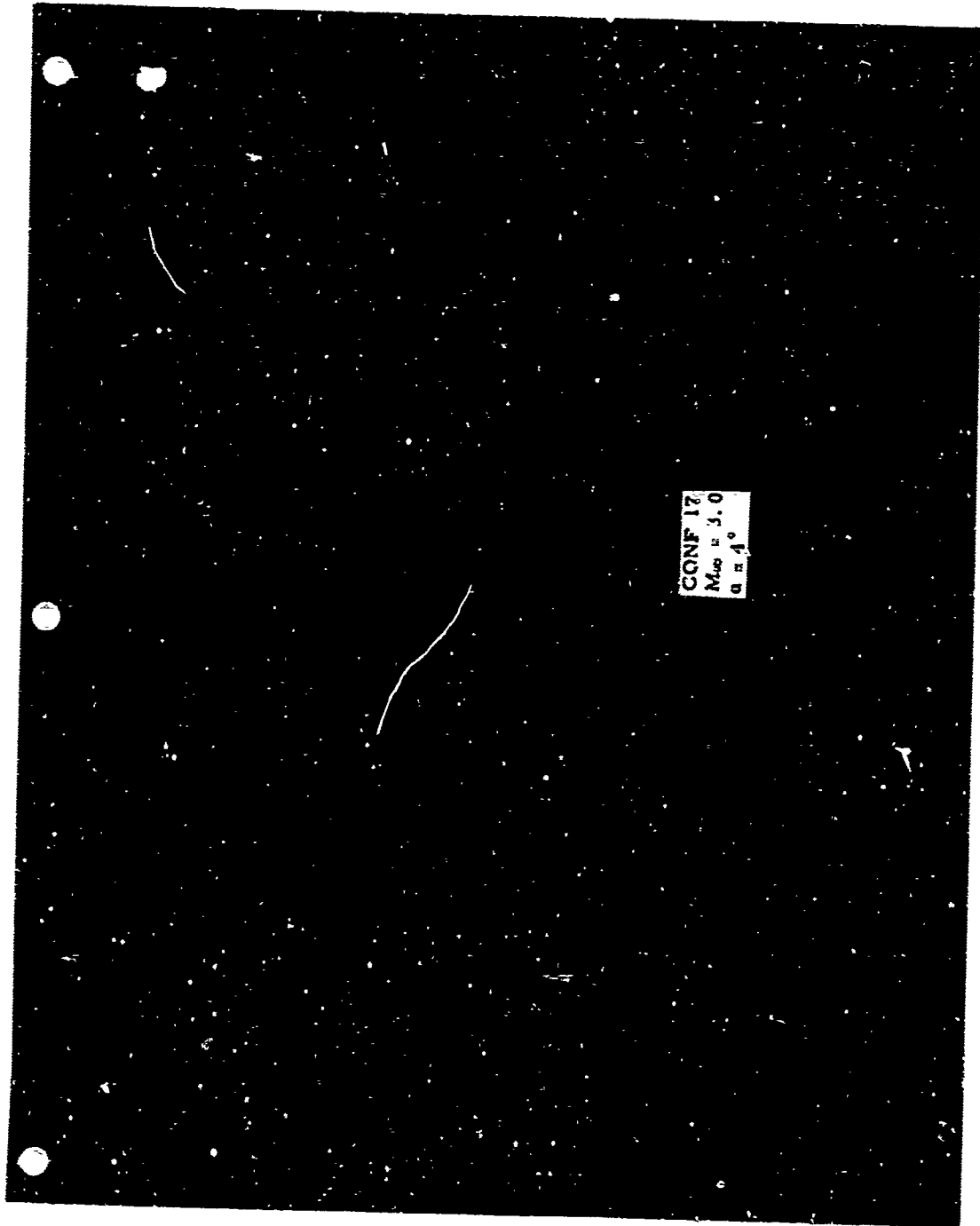


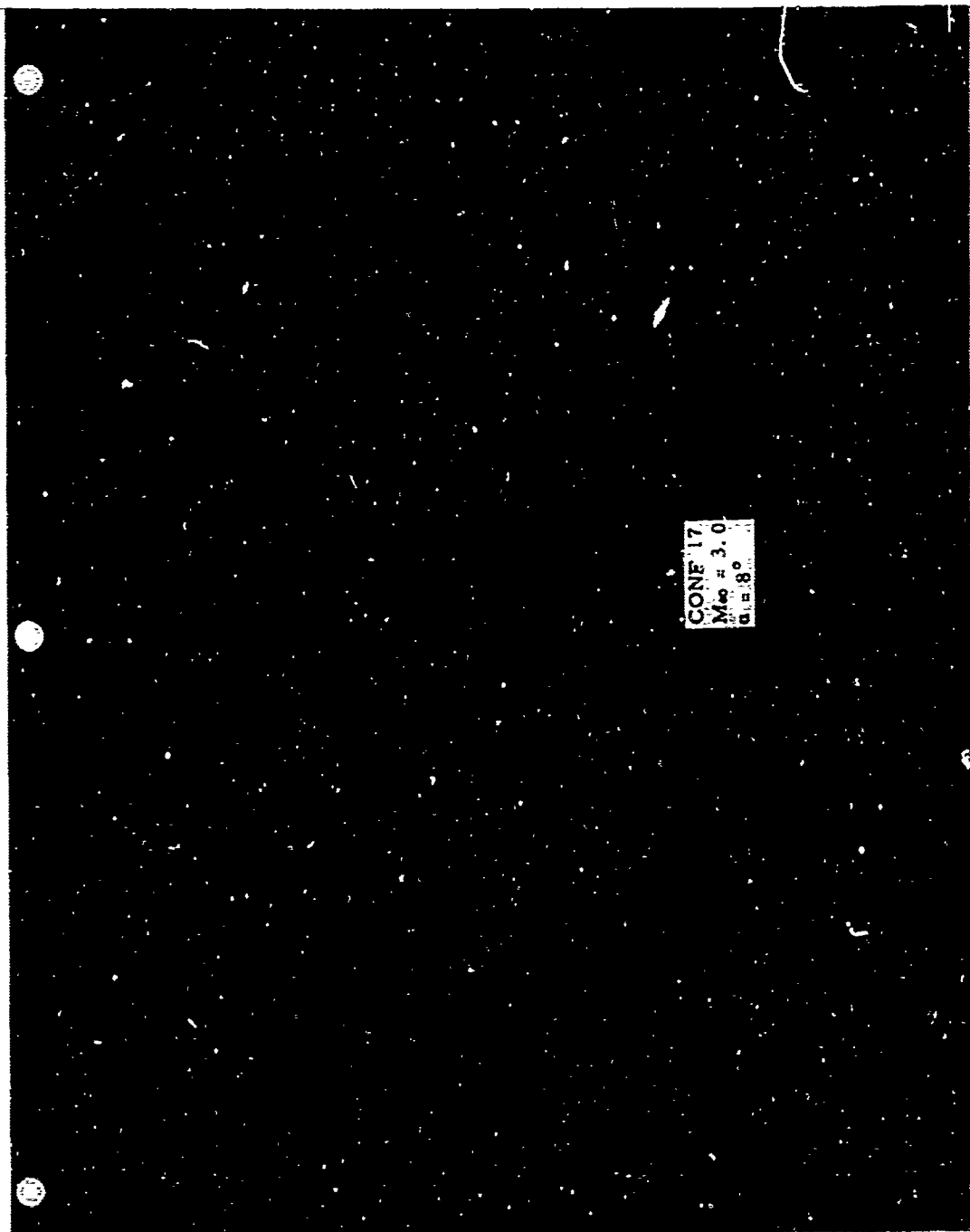


CONF 17  
M<sub>50</sub> = 1.75  
α = 12°

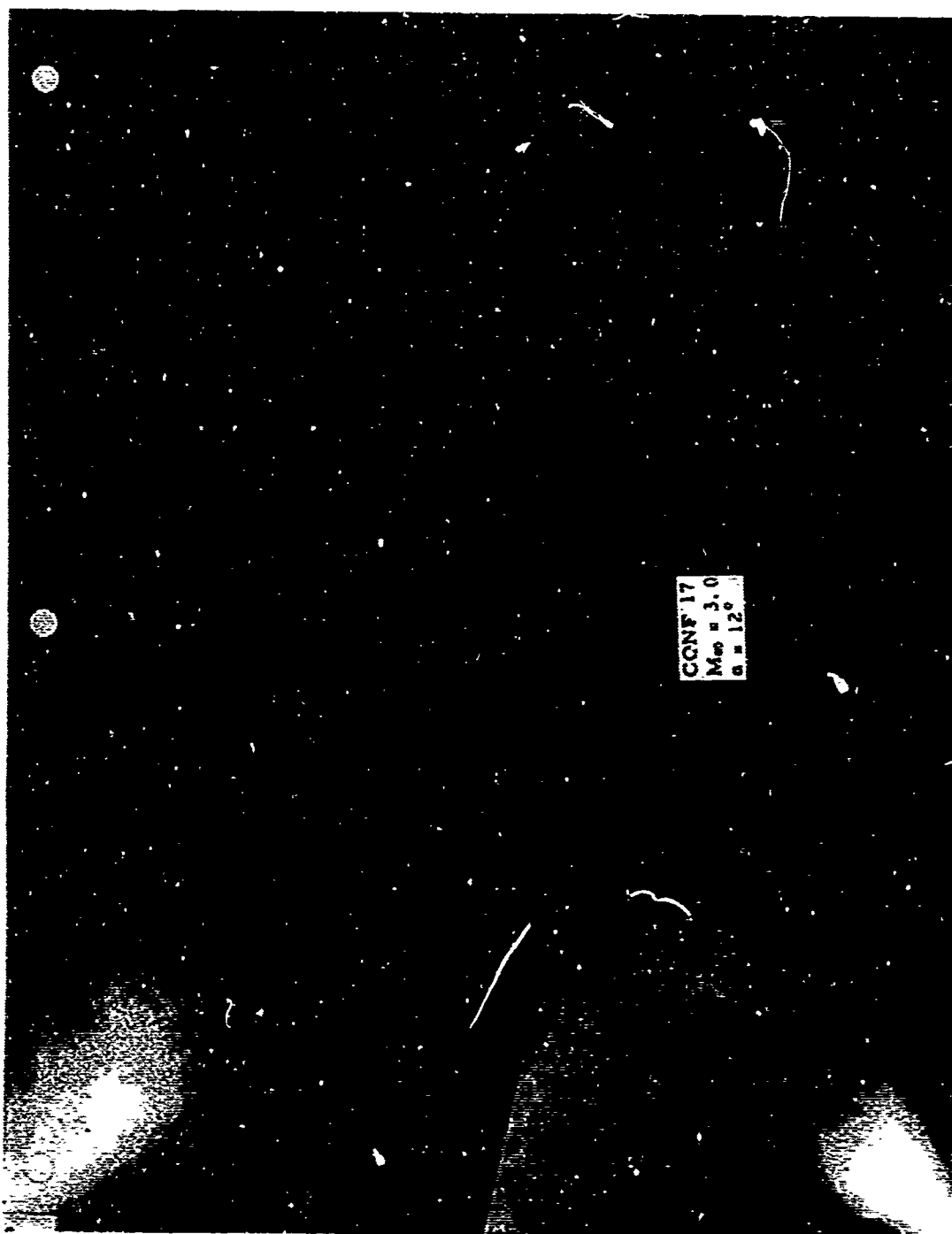


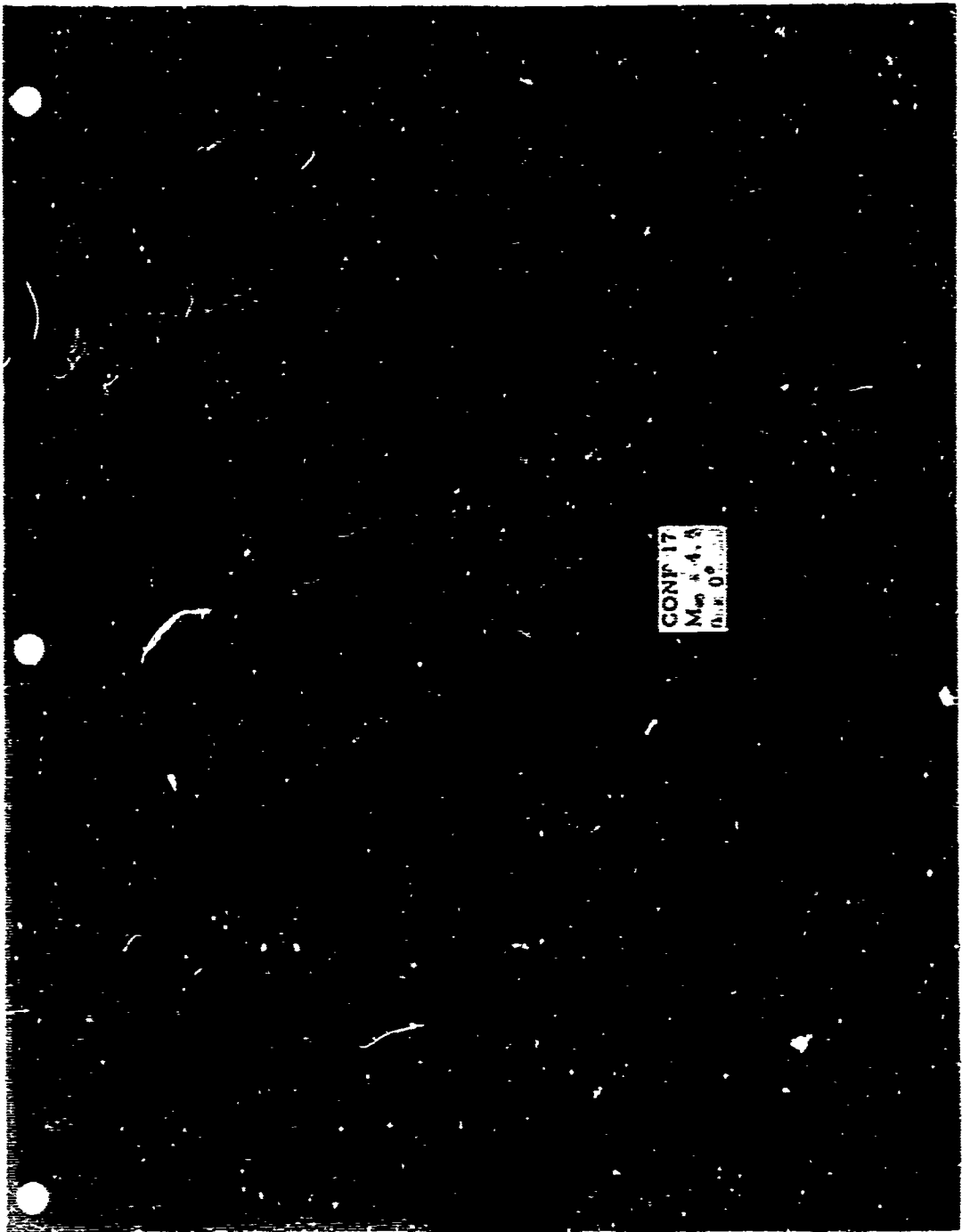
CONF 17  
M<sub>50</sub> = 3.0  
a = 0°

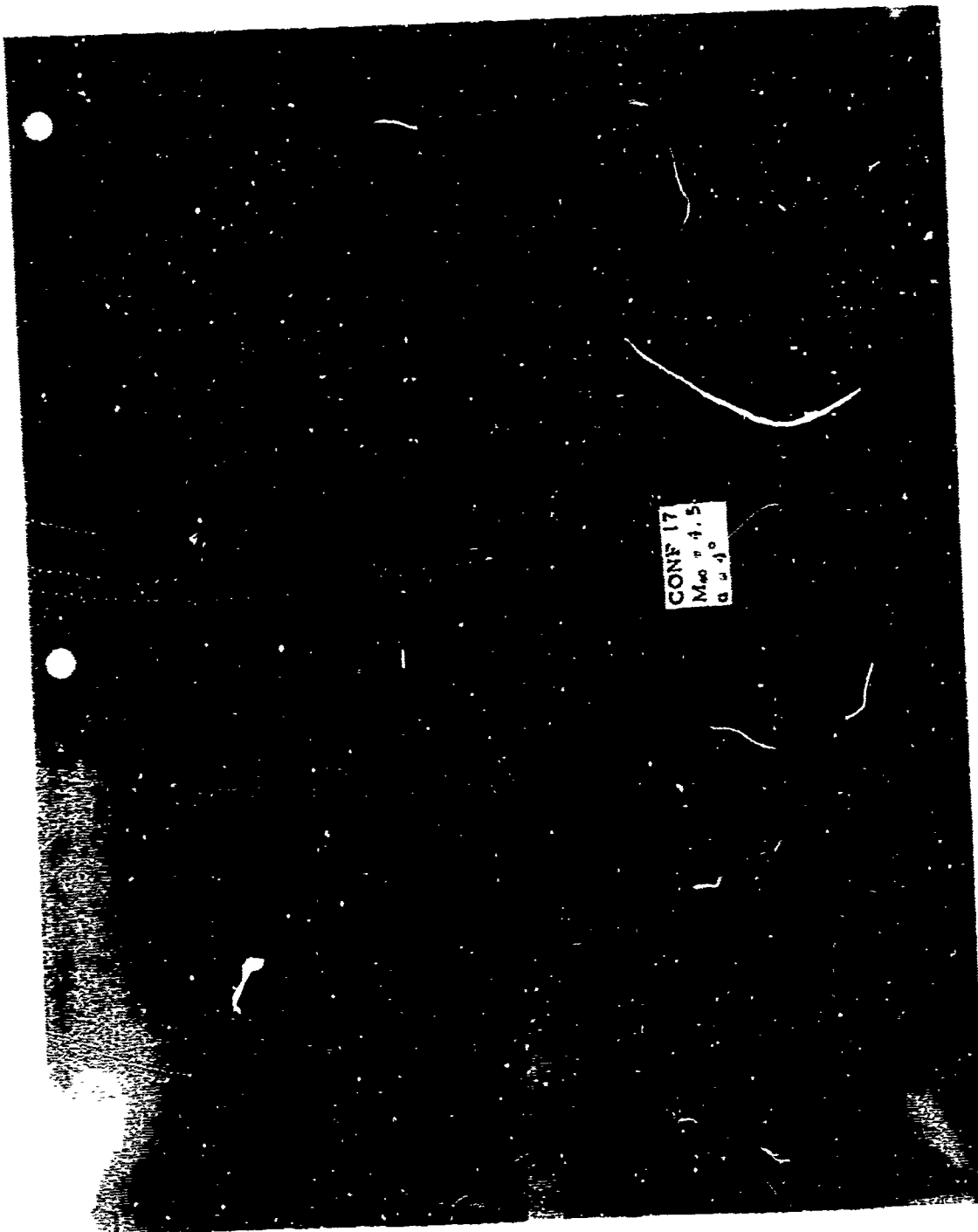












CONF 17  
M<sub>40</sub> 4.5  
a u j o

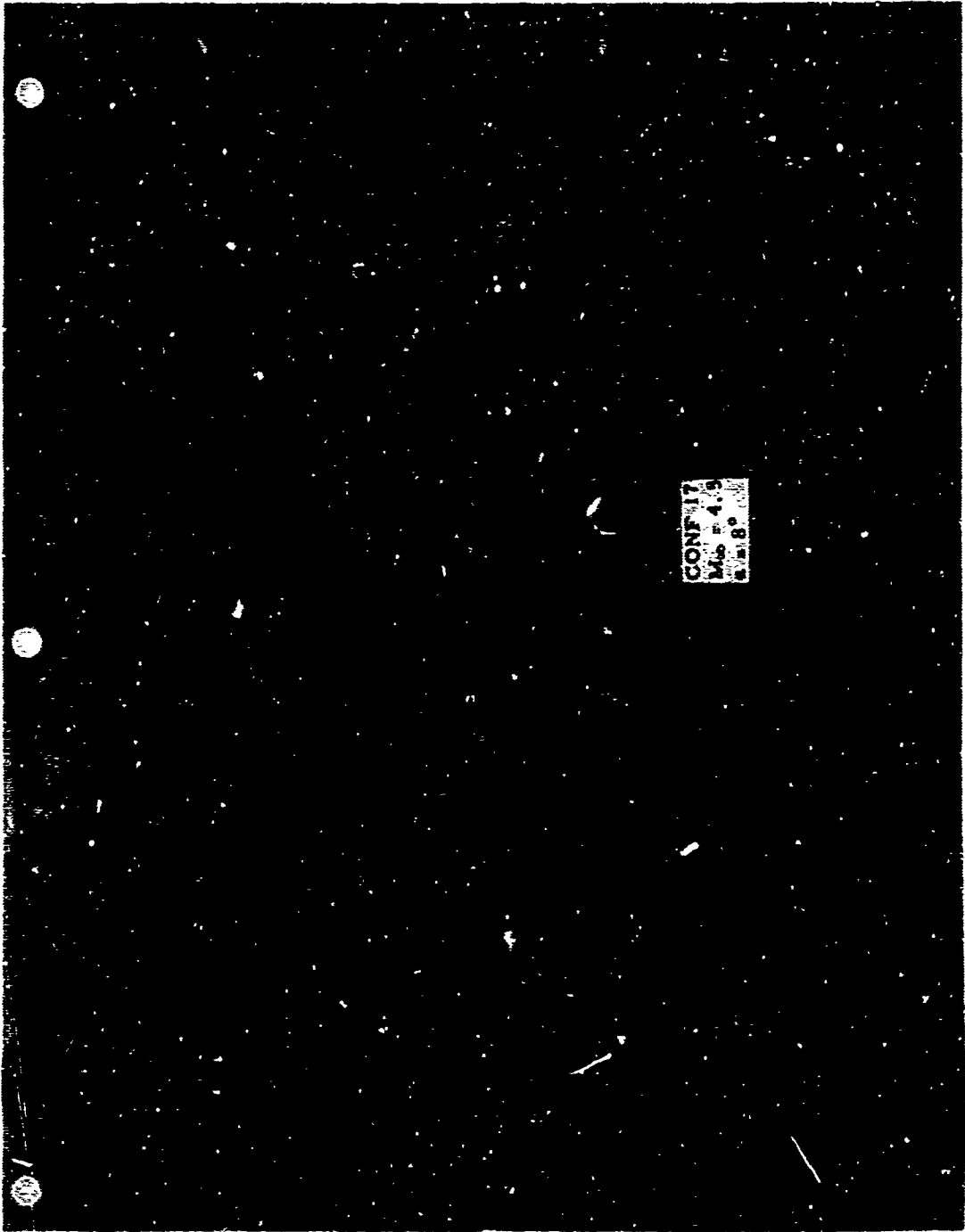
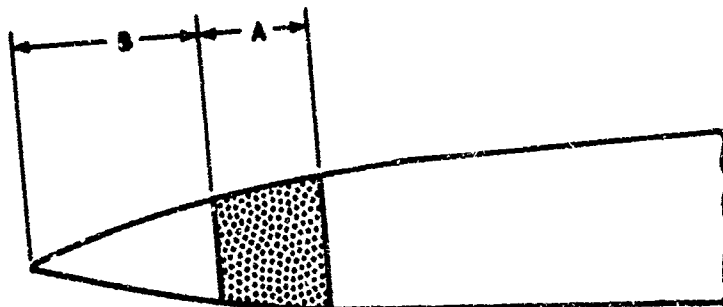




Table I. Pressure Orifice Locations

Pressure Tap Upper Lower	CONF 2		CONF 8		CONF 10		CONF 17	
	X/D	R/D	X/D	R/D	X/D	R/D	X/D	R/D
1	2.411	0.299	2.411	0.299	2.411	0.299	2.411	0.299
2	4.333	0.472	4.333	0.472	4.333	0.472	4.333	0.472
3	4.829	0.500	4.829	0.500	4.829	0.500	4.829	0.500
4	5.077	0.500	5.077	0.500	5.077	0.500	5.077	0.500
5	5.325	0.500	5.325	0.500	5.325	0.500	5.325	0.500
6	5.821	0.500	5.821	0.500	5.821	0.500	5.821	0.500
7	6.566	0.500	6.566	0.500	6.566	0.500	6.566	0.500
8	7.558	0.500	7.558	0.500	7.558	0.500	7.558	0.500
9	8.550	0.500	8.550	0.500	8.550	0.500	8.550	0.500
10	9.542	0.500	9.542	0.500	9.542	0.500	9.542	0.500
11	10.772	0.500	11.272	0.500	11.512	0.500	11.402	0.500
12	11.640	0.500	12.008	0.500	12.008	0.500	12.146	0.500
13	12.384	0.500	12.636	0.500	12.256	0.500	12.766	0.500
14	13.004	0.500	13.008	0.500	12.504	0.520	13.014	0.500
15	13.252	0.500	13.256	0.500	13.000	0.572	13.262	0.500
16	13.500	0.513	13.504	0.520	13.799	0.656	13.510	0.526
17	13.748	0.530	13.752	0.546	14.171	0.695	13.758	0.561
18	13.996	0.548	14.000	0.572	14.343	0.714	14.006	0.596
19	14.492	0.582	14.496	0.624	14.791	0.714	14.502	0.666
20	14.988	0.617	14.992	0.676	15.039	0.714	14.998	0.739

Table II. Grit Ban



CONF	$M_{\infty}$	A (in.)	B (in.)	GRIT NO.
2	1.75-4.5	0.5	0.5	80
8, 10, 17	1.75-3.0	0.5	0.5	80
8, 10, 17	4.0-4.5	0.75	0.25	40

Table III. Configuration 2 Basic Data  
P/PINF

X/D	CONFIGURATION 2		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER	
	TOTAL PRESSURE	19.96	DYNAMIC PRESSURE	8.37	60	90	STATIC PRESSURE	1.75
	TOTAL TEMPERATURE	89.0	REYNOLDS NO.	4.60E+05	120	150	165	180
2.411	1.037	1.020	1.012	.980	1.005	1.122	1.263	1.316
4.313	1.039	1.025	1.019	.979	.985	1.092	1.230	1.290
4.829	.787	.828	.820	.755	.759	.843	.955	1.010
5.077	.863	.851	.842	.780	.775	.862	.974	1.022
5.325	.893	.884	.876	.806	.784	.872	.989	1.041
5.821	.941	.930	.918	.845	.788	.871	.991	1.047
6.566	.984	.964	.949	.903	.812	.865	.987	1.040
7.558	.997	.971	.957	.937	.858	.873	.979	1.033
8.550	.998	.958	.953	.952	.885	.908	.997	1.045
9.542	.994	.942	.953	.953	.896	.908	1.014	1.061
10.772	1.012	.960	.967	.958	.904	.928	1.019	1.070
11.640	1.020	.969	.970	.956	.905	.930	1.028	1.070
12.384	1.006	.973	.976	.960	.906	.925	1.021	1.068
13.004	.995	.964	.971	.959	.910	.934	1.025	1.069
13.252	1.017	.980	1.020	1.021	.932	.946	1.043	1.084
13.500	1.224	1.171	1.108	1.088	1.092	1.124	1.236	1.288
13.748	1.252	1.125	1.089	1.081	1.067	1.116	1.223	1.279
13.996	1.124	1.069	1.089	1.071	1.038	1.113	1.217	1.262
14.492	1.136	1.068	1.069	1.064	1.032	1.114	1.226	1.274
14.988	1.092	1.029	1.036	1.041	1.011	1.087	1.201	1.247



## P/PINF

X/D	CONFIGURATION		2		ANGLE OF ATTACK		6.27		MACH NUMBER		1.75	
	TOTAL PRESSURE		19.96		DYNAMIC PRESSURE		8.035		STATIC PRESSURE		3.748	
	TOTAL TEMPERATURE		89.0		REYNOLDS NO.		4.60E+05					
	0	15	30	ROLL ANGLE		120	150	165	180			
				60	90							
2.411	1.053	1.046	1.043	1.031	1.058	1.137	1.228	1.251	1.260			
4.333	1.051	1.044	1.046	1.029	1.040	1.109	1.201	1.227	1.238			
4.829	.835	.840	.829	.795	.805	.859	.932	.952	.964			
5.077	.872	.866	.859	.820	.825	.879	.952	.973	.981			
5.325	.900	.895	.892	.845	.840	.896	.970	.992	1.000			
5.821	.943	.937	.933	.880	.854	.903	.978	1.000	1.010			
6.566	.990	.976	.971	.925	.879	.907	.980	1.000	1.008			
7.558	1.003	.991	.983	.959	.913	.923	.982	1.002	1.009			
8.550	1.006	.991	.982	.973	.934	.954	1.001	1.016	1.025			
9.542	1.000	.984	.980	.975	.945	.947	1.014	1.029	1.044			
10.772	1.014	.995	.987	.980	.944	.961	1.017	1.038	1.047			
11.640	1.015	.989	.985	.980	.946	.963	1.022	1.043	1.047			
12.384	1.021	.998	.994	.985	.947	.958	1.017	1.038	1.045			
13.004	1.008	.988	.990	.984	.949	.966	1.021	1.038	1.045			
13.252	1.032	1.010	1.047	1.048	.972	.978	1.038	1.056	1.061			
13.500	1.246	.184	1.122	1.116	1.136	1.159	1.227	1.250	1.259			
13.748	1.180	1.137	1.121	1.113	1.114	1.147	1.213	1.235	1.246			
13.996	1.133	1.089	1.100	1.103	1.086	1.140	1.204	1.223	1.229			
14.492	1.131	1.087	1.094	1.090	1.082	1.138	1.209	1.229	1.235			
14.988	1.094	1.056	1.062	1.063	1.058	1.105	1.179	1.199	1.208			

P/PINF

CONFIGURATION 2  
 TOTAL PRESSURE 19.98  
 TOTAL TEMPERATURE 89.0  
 ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.  
 4.17  
 8.047  
 4.61E+05  
 MACH NUMBER  
 STATIC PRESSURE  
 1.75  
 3.753

X/D	ROLL ANGLE				ROLL ANGLE				ROLL ANGLE			
	0	15	30	60	90	120	150	180	120	150	180	180
2.411	1.071	1.067	1.062	1.068	1.092	1.141	1.183	1.209	1.141	1.183	1.209	1.209
4.333	1.067	1.065	1.062	1.070	1.077	1.117	1.160	1.188	1.117	1.160	1.188	1.188
4.829	.849	.849	.836	.828	.835	.868	.906	.928	.868	.906	.928	.928
5.077	.878	.875	.863	.854	.858	.890	.924	.946	.890	.924	.946	.946
5.325	.905	.903	.893	.878	.879	.911	.944	.968	.911	.944	.968	.968
5.821	.942	.940	.929	.912	.900	.927	.957	.983	.927	.957	.983	.983
6.566	.986	.978	.966	.947	.926	.941	.966	.987	.941	.966	.987	.987
7.558	1.013	.999	.988	.978	.952	.958	.976	.997	.958	.976	.997	.997
8.550	1.007	1.001	.989	.989	.971	.984	.994	1.011	.984	.994	1.011	1.011
9.542	1.004	.999	.987	.990	.981	.987	1.004	1.028	.987	1.004	1.028	1.028
10.772	1.012	1.006	.993	.996	.977	.989	1.007	1.031	.989	1.007	1.031	1.031
11.640	1.013	1.004	.988	.996	.978	.989	1.011	1.031	.989	1.011	1.031	1.031
12.384	1.021	1.012	.993	1.001	.977	.986	1.005	1.028	.986	1.005	1.028	1.028
13.014	1.013	1.006	.991	.998	.978	.991	1.008	1.028	.991	1.008	1.028	1.028
13.252	1.057	1.065	1.062	1.062	1.003	1.006	1.025	1.045	1.006	1.025	1.045	1.045
13.500	1.195	1.156	1.122	1.149	1.166	1.185	1.208	1.234	1.185	1.208	1.234	1.234
13.748	1.159	1.141	1.122	1.141	1.147	1.171	1.191	1.220	1.171	1.191	1.220	1.220
13.996	1.139	1.124	1.108	1.123	1.121	1.159	1.181	1.202	1.159	1.181	1.202	1.202
14.492	1.129	1.114	1.093	1.112	1.116	1.153	1.180	1.202	1.153	1.180	1.202	1.202
14.988	1.097	1.084	1.068	1.084	1.087	1.119	1.145	1.175	1.119	1.145	1.175	1.175

## P/PINF

CONFIGURATION 2 ANGLE OF ATTACK 2.08 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.97 DYNAMIC PRESSURE 8.042 STATIC PRESSURE 3.751  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 4.60E+05

X/D	ROLL ANGLE				
	15	30	60	90	180
2.411	1.089	1.086	1.098	1.140	1.157
4.333	1.087	1.089	1.101	1.119	1.136
4.829	.855	.851	.856	.872	.884
5.077	.885	.877	.880	.896	.909
5.325	.909	.904	.904	.921	.935
5.821	.941	.936	.934	.942	.952
6.566	.978	.969	.963	.962	.968
7.558	1.002	.996	.992	.980	.985
8.550	1.036	1.000	1.003	1.001	.999
9.542	1.004	.998	1.003	1.013	1.005
10.772	1.011	1.008	1.008	1.005	1.010
11.640	1.011	1.004	1.008	1.002	1.012
12.384	1.018	1.011	1.013	1.006	1.008
13.004	1.012	1.007	1.008	1.027	1.011
13.252	1.082	1.071	1.056	1.194	1.031
13.500	1.159	1.158	1.173	1.178	1.038
13.748	1.154	1.151	1.166	1.163	1.211
13.996	1.143	1.137	1.145	1.155	1.185
14.492	1.127	1.121	1.136	1.122	1.173
14.988	1.100	1.094	1.105	1.132	1.174
					1.142
					1.143

CONFIGURATION	2	ANGLE OF ATTACK	1.04	MACH NUMBER	1.75
TOTAL PRESSURE	19.99	DYNAMIC PRESSURE	8.048	STATIC PRESSURE	3.754
TOTAL TEMPERATURE	89.0	REYNOLDS NO.	4.61E+05		

	ROLL ANGLE								
	0	15	30	60	90	120	150	165	180
X/D									
2.411	1.102	1.102	1.101	1.111		1.135	1.143	1.150	1.150
4.333	1.101	1.105	1.103	1.113		1.115	1.124	1.130	1.130
4.829	.860	.861	.859	.864		.871	.876	.882	.885
5.077	.887	.888	.885	.890		.897	.903	.910	.908
5.325	.911	.913	.910	.913		.922	.929	.935	.933
5.821	.941	.944	.940	.940		.948	.950	.958	.958
6.566	.975	.973	.968	.968		.967	.969	.975	.973
7.558	1.001	1.003	.998	.995		.987	.988	.995	.993
8.550	1.006	1.006	1.002	1.005		1.005	.999	1.000	.999
9.542	1.006	1.005	.999	1.000		1.019	1.003	1.016	1.016
10.772	1.011	1.012	1.009	1.013		1.008	1.009	1.013	1.014
11.640	1.011	1.011	1.007	1.012		1.009	1.011	1.015	1.013
12.384	1.018	1.019	1.016	1.017		1.005	1.007	1.013	1.011
13.034	1.012	1.014	1.011	1.012		1.010	1.010	1.014	1.011
13.252	1.071	1.068	1.062	1.053		1.036	1.034	1.038	1.034
13.500	1.167	1.169	1.170	1.182		1.190	1.194	1.200	1.198
13.748	1.163	1.165	1.165	1.176		1.178	1.177	1.183	1.184
13.996	1.148	1.149	1.148	1.154		1.163	1.164	1.169	1.165
14.492	1.133	1.134	1.135	1.145		1.154	1.155	1.161	1.157
14.988	1.106	1.108	1.105	1.114		1.120	1.122	1.129	1.129

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## P/PINF

CONFIGURATION 2 ANGLE OF ATTACK 0.00 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.99 DYNAMIC PRESSURE 8.050 STATIC PRESSURE 3.754  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 4.61E+05

X/D	ROLL ANGLE					120	150	165	180
	0	15	30	60	90				
2.411	1.116	1.116	1.115	1.120	1.124	1.129	1.130	1.134	1.134
4.333	1.115	1.119	1.117	1.123	1.112	1.110	1.111	1.115	1.116
4.829	.866	.869	.868	.872	.869	.870	.870	.872	.875
5.077	.892	.894	.891	.895	.893	.897	.897	.900	.900
5.325	.915	.917	.915	.918	.919	.923	.925	.927	.927
5.821	.943	.945	.942	.945	.944	.948	.949	.953	.954
6.566	.973	.972	.969	.971	.970	.971	.970	.974	.974
7.558	1.000	1.002	.998	.997	.988	.992	.992	.995	.994
8.550	1.039	1.009	1.004	1.007	1.010	1.006	.999	.999	.998
9.542	1.007	1.006	1.001	1.008	1.013	1.021	1.005	1.013	1.014
10.772	1.013	1.015	1.013	1.017	1.009	1.010	1.009	1.011	1.012
11.640	1.014	1.013	1.011	1.016	1.009	1.010	1.009	1.012	1.010
12.384	1.022	1.022	1.020	1.021	1.010	1.007	1.007	1.010	1.008
13.004	1.015	1.017	1.015	1.015	1.008	1.011	1.009	1.012	1.011
13.252	1.054	1.055	1.051	1.050	1.045	1.046	1.042	1.044	1.041
13.500	1.182	1.185	1.184	1.189	1.179	1.184	1.183	1.186	1.185
13.748	1.177	1.179	1.178	1.184	1.173	1.173	1.169	1.171	1.171
13.996	1.155	1.157	1.156	1.161	1.154	1.159	1.156	1.156	1.154
14.492	1.144	1.147	1.146	1.154	1.151	1.151	1.146	1.146	1.144
14.988	1.117	1.119	1.118	1.123	1.118	1.118	1.114	1.117	1.118

CONFIGURATION	2	ANGLE OF ATTACK	-1.02	MACH NUMBER	1.75
TOTAL PRESSURE	19.98	DYNAMIC PRESSURE	8.048	STATIC PRESSURE	3.754
TOTAL TEMPERATURE	89.0	REYNOLDS NO.	4.61E+05		

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X/D	CONFIGURATION			ANGLE OF ATTACK			MACH NUMBER		
	TOTAL PRESSURE			DYNAMIC PRESSURE			STATIC PRESSURE		
	0	15	30	60	90	120	150	165	180
2.411	1.151	1.150	1.147	1.136	1.123	1.114	1.108	1.108	1.106
4.333	1.149	1.150	1.148	1.138	1.111	1.095	1.089	1.089	1.088
4.829	.888	.890	.887	.882	.865	.859	.860	.860	.861
5.077	.911	.913	.910	.904	.889	.886	.888	.889	.887
5.325	.929	.931	.928	.924	.914	.914	.917	.918	.917
5.821	.952	.953	.951	.945	.938	.941	.945	.947	.948
6.566	.973	.974	.971	.968	.964	.968	.973	.975	.974
7.558	1.000	1.002	.998	.993	.983	.991	.993	.996	.994
8.550	1.012	1.012	1.010	1.002	1.005	1.003	.999	.998	.996
9.542	1.011	1.011	1.006	1.005	1.009	1.016	1.007	1.011	1.010
10.772	1.020	1.021	1.019	1.018	1.006	1.007	1.008	1.010	1.008
11.640	1.020	1.021	1.018	1.017	1.006	1.008	1.007	1.009	1.007
12.384	1.029	1.030	1.026	1.023	1.006	1.005	1.007	1.008	1.004
13.004	1.023	1.025	1.021	1.017	1.005	1.009	1.008	1.011	1.007
13.252	1.043	1.045	1.042	1.039	1.039	1.062	1.069	1.072	1.068
13.500	1.213	1.214	1.211	1.203	1.181	1.168	1.158	1.160	1.157
13.748	1.205	1.206	1.202	1.196	1.171	1.157	1.149	1.150	1.147
13.996	1.176	1.178	1.175	1.167	1.150	1.145	1.138	1.139	1.135
14.492	1.173	1.175	1.172	1.166	1.146	1.134	1.126	1.127	1.123
14.988	1.143	1.145	1.142	1.133	1.112	1.104	1.099	1.102	1.100

CONFIGURATION	2	ANGLE OF ATTACK	-4.16	MACH NUMBER	1.75
TOTAL PRESSURE	19.98	DYNAMIC PRESSURE	8.045	STATIC PRESSURE	3.752
TOTAL TEMPERATURE	89.0	REYNOLDS NO.	4.61E+05		

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	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE					
	TOTAL PRESSURE	2	DYNAMIC PRESSURE	8.39	MACH NUMBER					
	TOTAL TEMPERATURE	22.16 87.0	REYNOLDS NO.	7.932 4.65E+05	120	150	165	180		
X/D										
2.411	1.033	1.021	1.012	.974	.997	1.155	1.327	1.383	1.399	
4.333	1.040	1.028	1.021	.972	.981	1.119	1.284	1.338	1.357	
4.829	.788	.824	.810	.732	.735	.844	.975	1.018	1.032	
5.077	.840	.828	.824	.754	.745	.855	.986	1.031	1.044	
5.325	.866	.862	.852	.781	.752	.862	1.001	1.049	1.064	
5.821	.911	.903	.889	.813	.750	.860	1.002	1.051	1.001	
6.566	.957	.941	.925	.873	.762	.853	.999	1.049	1.064	
7.558	.982	.952	.935	.915	.804	.846	.988	1.041	1.056	
8.550	1.032	.954	.946	.939	.847	.866	.995	1.044	1.061	
9.542	.999	.935	.940	.944	.870	.891	1.007	1.055	1.073	
10.772	.999	.968	.961	.953	.891	.908	1.024	1.068	1.076	
11.640	.987	.952	.960	.954	.899	.917	1.016	1.069	1.085	
12.384	1.005	.957	.967	.957	.895	.911	1.023	1.065	1.070	
13.004	.786	.943	.955	.946	.894	.919	1.029	1.074	1.086	
13.252	1.006	.966	.995	.999	.912	.935	1.047	1.090	1.101	
13.500	1.225	1.170	1.111	1.090	1.088	1.125	1.263	1.317	1.331	
13.748	1.247	1.138	1.088	1.079	1.066	1.128	1.262	1.314	1.330	
13.996	1.198	1.072	1.065	1.062	1.036	1.124	1.260	1.305	1.317	
14.492	1.126	1.058	1.067	1.068	1.020	1.125	1.270	1.315	1.334	
14.988	1.109	1.018	1.030	1.039	.994	1.103	1.244	1.286	1.297	

**UNID/9**

CONFIGURATION	2	ANGLE OF ATTACK	6.26	MACH NUMBER	2.00
TOTAL PRESSURE	22.17	DYNAMIC PRESSURE	7.935	STATIC PRESSURE	2.833
TOTAL TEMPERATURE	87.0	REYNOLDS NO.	4.69E+05		

X/O	ROLL ANGLE								
	0	15	30	60	90	120	150	165	180
2.411	1.054	1.056	1.047	1.031	1.065	1.171	1.282	1.316	1.326
4.333	1.060	1.057	1.052	1.032	1.045	1.132	1.237	1.274	1.283
4.029	.832	.841	.819	.779	.788	.855	.940	.967	.976
5.077	.857	.852	.843	.800	.803	.871	.954	.981	.989
5.325	.862	.881	.872	.824	.817	.884	.973	1.003	1.011
5.821	.921	.918	.907	.855	.836	.891	.980	1.011	1.019
6.566	.968	.962	.953	.903	.851	.897	.984	1.015	1.024
7.558	.993	.983	.969	.941	.882	.905	.982	1.013	1.021
8.550	1.013	.999	.985	.966	.911	.924	.995	1.022	1.030
9.542	1.039	.989	.979	.972	.924	.944	1.010	1.038	1.047
10.772	1.023	1.000	.988	.979	.939	.953	1.024	1.045	1.048
11.640	1.020	.993	.985	.984	.946	.958	1.008	1.049	1.056
12.364	1.023	.995	.992	.986	.942	.949	1.023	1.042	1.052
13.004	1.032	.976	.970	.974	.939	.961	1.025	1.048	1.058
13.252	1.026	.998	1.031	1.032	.958	.975	1.042	1.066	1.072
13.500	1.239	1.186	1.126	1.124	1.144	1.167	1.251	1.286	1.254
13.748	1.260	1.136	1.117	1.114	1.124	1.146	1.250	1.279	1.290
13.996	1.140	1.107	1.118	1.101	1.091	1.155	1.242	1.270	1.274
14.492	1.151	1.107	1.106	1.101	1.082	1.152	1.247	1.275	1.287
14.988	1.109	1.058	1.067	1.069	1.055	1.122	1.215	1.241	1.247

Y/D	CONFIGURATION			ANGLE OF ATTACK			MACH NUMBER		
	TOTAL PRESSURE	22.16	2	DYNAMIC PRESSURE	4.16			STATIC PRESSURE	2.00
					7.932	4.65E+05	2.832		
	TOTAL TEMPERATURE	87.0	REYNOLDS NO.						
	0	15	30	60	90	120	150	165	180
2.411	1.077	1.081	1.079	1.081	1.112	1.177	1.237	1.258	1.261
4.333	1.080	1.082	1.080	1.080	1.093	1.136	1.196	1.218	1.221
4.829	.852	.853	.838	.817	.826	.863	.908	.925	.928
5.077	.863	.862	.856	.839	.845	.882	.926	.943	.946
5.325	.889	.891	.882	.864	.865	.900	.949	.969	.971
5.821	.923	.925	.918	.893	.885	.917	.961	.978	.982
6.566	.969	.969	.963	.933	.914	.933	.973	.992	.995
7.558	.994	.994	.986	.964	.939	.947	.980	.996	.999
8.550	1.016	1.013	1.006	.985	.962	.965	.996	1.009	1.014
9.542	1.014	1.011	1.005	.989	.971	.981	1.014	1.028	1.032
10.772	1.025	1.019	1.009	.998	.981	.988	1.020	1.030	1.030
11.640	1.022	1.011	1.004	1.003	.987	.992	1.003	1.031	1.036
12.384	1.029	1.019	1.006	1.006	.984	.985	1.018	1.031	1.037
13.004	1.011	1.003	.994	.990	.978	.993	1.022	1.033	1.038
13.252	1.039	1.048	1.059	1.041	.997	1.006	1.038	1.052	1.054
13.500	1.222	1.172	1.118	1.162	1.184	1.200	1.242	1.261	1.266
13.748	1.187	1.165	1.1	1.152	1.167	1.192	1.235	1.252	1.258
13.996	1.160	1.140	1.154	1.134	1.135	1.179	1.224	1.239	1.242
14.492	1.151	1.133	1.118	1.128	1.130	1.171	1.224	1.239	1.247
14.980	1.115	1.098	1.091	1.094	1.099	1.137	1.187	1.200	1.204

CONFIGURATION	2	ANGLE OF ATTACK	2.08	MACH NUMBER	2.00
TOTAL PRESSURE	22.15	DYNAMIC PRESSURE	7.930	STATIC PRESSURE	2.831
TOTAL TEMPERATURE	87.0	REYNOLDS NO.	4.65E+05		

X/D	ROLL ANGLE								
	0	15	30	60	90	120	150	165	180
2.411	1.106	1.110	1.111	1.119	1.141	1.173	1.196	1.207	1.209
4.333	1.106	1.109	1.110	1.117	.121	1.135	1.160	1.169	1.172
4.829	.860	.862	.858	.851	.853	.866	.885	.893	.896
5.077	.873	.874	.871	.869	.872	.888	.905	.914	.915
5.325	.897	.900	.896	.893	.895	.911	.931	.940	.941
5.821	.927	.928	.924	.920	.920	.935	.949	.958	.959
6.566	.967	.968	.965	.956	.952	.958	.971	.979	.980
7.558	.994	.994	.990	.983	.975	.974	.984	.988	.990
8.550	1.015	1.016	1.012	1.002	.993	.990	1.001	1.003	1.006
9.542	1.015	1.015	1.012	1.005	1.000	1.007	1.019	1.023	1.024
10.772	1.023	1.025	1.024	1.015	1.007	1.008	1.018	1.020	1.018
11.640	1.019	1.020	1.020	1.018	1.013	1.015	1.018	1.017	1.022
12.384	1.028	1.028	1.024	1.021	1.011	1.005	1.016	1.025	1.024
13.004	1.013	1.012	1.010	1.004	1.003	1.011	1.021	1.026	1.026
13.252	1.065	1.064	1.060	1.037	1.025	1.028	1.039	1.044	1.045
13.500	1.177	1.175	1.174	1.190	1.200	1.210	1.229	1.237	1.239
13.748	1.181	1.181	1.179	1.184	1.192	1.205	1.223	1.229	1.231
13.996	1.166	1.165	1.162	1.161	1.167	1.186	1.207	1.214	1.213
14.492	1.155	1.154	1.151	1.156	1.160	1.176	1.200	1.209	1.213
14.988	1.121	1.120	1.118	1.122	1.128	1.141	1.160	1.167	1.168

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P/PINF

CONFIGURATION	2	ANGLE OF ATTACK	0.00	MACH NUMBER	2.00
TOTAL PRESSURE	22.16	DYNAMIC PRESSURE	7.932	STATIC PRESSURE	2.832
TOTAL TEMPERATURE	87.0	REYNOLDS NO.	4.65E+05		

ROLL ANGLE

X/D	0	15	30	60	90	120	150	165	180
2.411	1.143	1.145	1.145	1.147	1.152	1.157	1.158	1.163	1.162
4.333	1.142	1.144	1.141	1.143	1.131	1.124	1.128	1.132	1.133
4.829	.872	.873	.869	.867	.865	.863	.867	.869	.870
5.077	.887	.889	.886	.886	.885	.885	.887	.890	.889
5.325	.909	.912	.909	.909	.909	.911	.915	.919	.919
5.821	.931	.933	.933	.934	.935	.939	.941	.944	.944
6.566	.967	.968	.967	.967	.966	.968	.970	.972	.972
7.558	.993	.993	.991	.992	.988	.984	.985	.987	.987
8.550	1.015	1.016	1.012	1.011	1.006	1.001	1.001	1.002	1.004
9.542	1.014	1.015	1.013	1.014	1.013	1.019	1.020	1.020	1.020
10.772	1.024	1.026	1.028	1.027	1.017	1.015	1.014	1.013	1.013
11.640	1.020	1.022	1.025	1.030	1.024	1.021	1.020	1.014	1.013
12.584	1.031	1.031	1.028	1.031	1.022	1.012	1.016	1.019	1.019
13.004	1.014	1.015	1.013	1.012	1.013	1.019	1.021	1.022	1.021
13.252	1.046	1.045	1.043	1.038	1.039	1.041	1.043	1.045	1.044
13.500	1.206	1.205	1.203	1.205	1.201	1.199	1.202	1.206	1.208
13.748	1.211	1.210	1.208	1.204	1.199	1.199	1.202	1.203	1.205
13.996	1.182	1.182	1.181	1.180	1.177	1.180	1.184	1.186	1.185
14.492	1.180	1.182	1.179	1.178	1.172	1.169	1.174	1.177	1.179
14.988	1.145	1.145	1.144	1.145	1.138	1.137	1.135	1.135	1.136

X/D	CONFIGURATION			ANGLE OF ATTACK		ROLL ANGLE			MACH NUMBER		
	TOTAL PRESSURE	22.16	2	DYNAMIC PRESSURE	-1.03	60	90	120	150	165	180
2.411	1.164	1.164	1.162	1.158	1.152	1.148	1.142	1.143	1.142	1.143	1.142
4.333	1.161	1.159	1.157	1.151	1.130	1.113	1.115	1.116	1.115	1.116	1.117
4.829	.881	.881	.879	.872	.864	.860	.861	.861	.861	.861	.862
5.077	.897	.897	.896	.891	.885	.880	.880	.881	.880	.881	.881
5.325	.919	.918	.916	.913	.907	.907	.910	.912	.910	.912	.911
5.821	.938	.938	.937	.936	.933	.938	.939	.940	.939	.940	.942
6.566	.969	.969	.967	.966	.965	.968	.969	.972	.969	.972	.972
7.558	.993	.993	.991	.992	.986	.984	.986	.987	.986	.987	.989
8.550	1.016	1.015	1.012	1.011	1.005	1.000	1.002	1.004	1.002	1.004	1.005
9.542	1.015	1.014	1.013	1.012	1.011	1.018	1.020	1.021	1.020	1.021	1.021
10.772	1.026	1.026	1.032	1.029	1.017	1.013	1.013	1.013	1.013	1.013	1.014
11.640	1.024	1.025	1.028	1.032	1.022	1.021	1.018	1.015	1.018	1.015	1.012
12.384	1.033	1.033	1.030	1.032	1.021	1.013	1.016	1.018	1.016	1.018	1.019
13.004	1.017	1.017	1.015	1.012	1.012	1.019	1.020	1.021	1.020	1.021	1.021
13.252	1.042	1.042	1.041	1.037	1.038	1.046	1.051	1.054	1.051	1.054	1.053
13.500	1.223	1.223	1.220	1.215	1.201	1.191	1.188	1.190	1.188	1.190	1.190
13.748	1.226	1.224	1.222	1.213	1.198	1.190	1.189	1.190	1.189	1.190	1.189
13.996	1.194	1.195	1.194	1.188	1.177	1.172	1.171	1.175	1.171	1.175	1.173
14.492	1.197	1.199	1.196	1.188	1.172	1.162	1.162	1.164	1.162	1.164	1.164
14.988	1.160	1.160	1.158	1.153	1.138	1.130	1.125	1.124	1.125	1.124	1.123

CONFIGURATION	2	ANGLE OF ATTACK	-2.04	MACH NUMBER	2.00
TOTAL PRESSURE	22.16	DYNAMIC PRESSURE	7.932	STATIC PRESSURE	2.832
TOTAL TEMPERATURE	87.0	REYNOLDS NO.	4.65E+05		

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## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER	
	TOTAL PRESSURE	2	DYNAMIC PRESSURE	-4.15	STATIC PRESSURE	2.00
	TOTAL TEMPERATURE	87.0	REYNOLDS NO.	4.65E+05		2.832
	0	15	30	ROLL ANGLE		
				60	90	
				120	150	180
2.411	1.241	1.235	1.174	1.122	1.097	1.093
4.333	1.227	1.223	1.163	1.103	1.073	1.073
4.829	.930	.927	.874	.835	.822	.851
5.077	.945	.941	.896	.854	.844	.865
5.325	.959	.955	.911	.876	.874	.899
5.821	.969	.965	.924	.897	.910	.934
6.566	.987	.985	.946	.927	.946	.970
7.558	1.002	1.000	.967	.951	.967	.988
8.550	1.025	1.023	.991	.972	.986	1.004
9.542	1.023	1.022	.990	.981	1.004	1.015
10.772	1.040	1.034	1.016	.992	.997	1.008
11.640	1.040	1.035	1.015	.998	1.004	1.011
12.384	1.043	1.044	1.017	.996	1.000	1.012
13.004	1.031	1.027	.997	.986	1.007	1.014
13.252	1.054	1.052	1.015	1.008	1.058	1.047
13.500	1.265	1.263	1.218	1.193	1.158	1.185
13.748	1.266	1.260	1.211	1.177	1.153	1.165
13.996	1.238	1.236	1.189	1.151	1.141	1.149
14.492	1.250	1.248	1.197	1.146	1.128	1.137
14.988	1.213	1.211	1.158	1.111	1.098	1.096

# P/PINF

CONFIGURATION 2 ANGLE OF ATTACK 8.39 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.27 DYNAMIC PRESSURE 6.219 STATIC PRESSURE .987  
 TOTAL TEMPERATURE 92.0 REYNOLDS NO. 4.55E+05

X/D	ROLL ANGLE				150	165	180
	0	15	30	60			
2.411	.988	.983	1.014	.876	1.278	1.225	1.757
4.333	.969	.969	.962	.861	1.245	1.689	1.722
4.829	.736	.758	.737	.611	.866	1.177	1.201
5.077	.738	.731	.712	.607	.846	1.165	1.190
5.325	.733	.727	.721	.616	.861	1.187	1.212
5.821	.772	.758	.745	.536	.846	1.177	1.197
6.566	.841	.816	.785	.690	.817	1.154	1.206
7.538	.875	.810	.785	.729	.776	1.125	1.148
8.550	.906	.758	.741	.616	.775	1.131	1.156
9.542	.909	.780	.759	.794	.741	1.107	1.136
10.772	.938	.786	.763	.818	.745	1.114	1.140
11.640	.929	.793	.774	.834	.731	1.109	1.136
12.384	.936	.821	.806	.841	.740	1.107	1.133
13.004	.899	.805	.818	.833	.760	1.104	1.126
13.252	.933	.844	.860	.873	.780	1.114	1.140
13.500	1.222	1.095	1.026	1.007	1.037	1.457	1.494
13.748	1.257	1.102	1.018	1.028	1.076	1.475	1.507
13.996	1.243	1.066	.973	1.003	1.069	1.467	1.499
14.492	1.281	.992	.965	.983	1.104	1.493	1.527
14.988	1.111	.921	.950	.965	1.108	1.487	1.509

X/D	CONFIGURATION		2		ANGLE OF ATTACK		6.25		MACH NUMBER		3.00
	TOTAL PRESSURE		36.28		DYNAMIC PRESSURE		6.221		STATIC PRESSURE		
	TOTAL TEMPERATURE		92.0		REYNOLDS NO.		4.55E+05				
	0	15	30	60	90	120	150	165	180		
2.411		1.036	.968	.992	1.054	1.262	1.483	1.551	1.572		
4.333	1.037	1.033	1.018	.976	1.043	1.241	1.471	1.538	1.558		
4.829	.835	.800	.761	.701	.727	.868	1.012	1.065	1.082		
5.077	.785	.777	.745	.682	.708	.846	1.001	1.049	1.064		
5.325	.784	.778	.764	.690	.716	.860	1.019	1.070	1.085		
5.821	.810	.804	.799	.714	.707	.856	1.011	1.066	1.075		
6.566	.876	.869	.847	.766	.701	.835	1.000	1.050	1.140		
7.558	.909	.890	.873	.802	.690	.809	.984	1.035	1.049		
8.550	.937	.801	.763	.702	.727	.817	.983	1.042	1.059		
9.542	.937	.898	.887	.874	.758	.797	.967	1.024	1.043		
10.772	.965	.905	.896	.890	.804	.824	.974	1.034	1.051		
11.640	.958	.898	.894	.902	.821	.827	.977	1.037	1.053		
12.364	.966	.895	.901	.909	.841	.845	.985	1.037	1.053		
13.004	.948	.883	.894	.902	.845	.856	.986	1.040	1.051		
13.252	.985	.914	.927	.955	.868	.866	1.002	1.051	1.065		
13.500	1.252	1.146	1.091	1.086	1.085	1.118	1.309	1.373	1.392		
13.748	1.269	1.130	1.072	1.108	1.095	1.153	1.327	1.394	1.413		
13.996	1.243	1.073	1.050	1.087	1.062	1.146	1.323	1.386	1.404		
14.492	1.172	1.069	1.085	1.081	1.047	1.165	1.344	1.405	1.426		
14.988	1.173	1.035	1.053	1.064	1.015	1.155	1.332	1.394	1.406		

CONFIGURATION	2	ANGLE OF ATTACK	4.14	MACH NUMBER	3.00
TOTAL PRESSURE	36.28	DYNAMIC PRESSURE	6.222	STATIC PRESSURE	.987
TOTAL TEMPERATURE	92.0	REYNOLDS NO.	4.55E+05		

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CONFIGURATION	2	ANGLE OF ATTACK	2.06	MACH NUMBER	3.00
TOTAL PRESSURE	36.29	DYNAMIC PRESSURE	6.224	STATIC PRESSURE	.988
TOTAL TEMPERATURE	92.0	REYNOLDS NO.	4.56E+05		

X/D	ROLL ANGLE								
	0	15	30	60	90	120	150	165	180
2.411	1.129	1.140	1.147	1.159	1.189	1.235	1.292	1.307	1.310
4.323	.854	1.134	1.138	1.154	1.183	1.223	1.271	1.291	1.293
4.829	.818	.851	.842	.836	.846	.872	.903	.910	.914
5.077	.820	.823	.818	.811	.818	.844	.879	.886	.887
5.325	.847	.822	.822	.815	.834	.866	.896	.907	.909
5.821	.906	.848	.840	.833	.848	.879	.910	.917	.914
6.566	.933	.906	.904	.885	.877	.895	.927	.930	1.045
7.558	.963	.933	.930	.906	.894	.902	.925	.939	.938
8.550	.967	.951	.845	.838	.927	.935	.954	.957	.960
9.542	.987	.973	.971	.948	.932	.936	.956	.959	.959
10.772	.987	.987	.980	.969	.952	.957	.977	.980	.983
11.640	.995	.995	.995	.976	.956	.960	.984	.986	.987
12.384	.995	.996	.997	.982	.970	.969	.986	.994	.993
13.004	.981	.983	.976	.972	.968	.975	.994	.996	.992
13.254	1.024	1.024	1.025	1.011	.990	.983	1.003	1.006	1.006
13.500	1.142	1.183	1.185	1.198	1.207	1.217	1.247	1.261	1.261
13.748	1.200	1.205	1.208	1.228	1.242	1.260	1.293	1.299	1.304
13.996	1.192	1.202	1.210	1.216	1.226	1.247	1.201	1.286	1.287
14.492	1.210	1.212	1.209	1.208	1.218	1.241	1.275	1.285	1.288
14.988	1.169	1.172	1.165	1.165	1.180	1.208	1.250	1.258	1.255

# P/PINF

CONFIGURATION 2 ANGLE OF ATTACK 1.03 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.29 DYNAMIC PRESSURE 0.225 STATIC PRESSURE .988  
 TOTAL TEMPERATURE 92.0 REYNOLDS NO. 4.56E+05

X/D	ROLL ANGLE				MACH NUMBER			
	0	15	30	60	90	120	150	180
2.411	1.160	1.145	1.174	1.184	1.199	1.224	1.258	1.262
4.333	.861	1.166	1.171	1.183	1.198	1.210	1.231	1.240
4.829	.822	.859	.856	.856	.860	.870	.885	.888
5.077	.829	.829	.832	.830	.832	.841	.856	.857
5.325	.829	.832	.837	.834	.847	.860	.875	.879
5.821	.835	.857	.853	.852	.864	.878	.895	.890
6.566	.906	.903	.911	.902	.896	.900	.917	1.042
7.548	.933	.933	.939	.921	.915	.916	.924	.925
8.490	.960	.961	.959	.957	.947	.948	.953	.953
9.442	.964	.971	.972	.956	.949	.951	.959	.955
10.772	.987	.987	.984	.976	.969	.972	.980	.981
11.640	.987	.994	.997	.985	.973	.974	.987	.984
12.384	.995	.997	1.000	.990	.985	.984	.990	.991
13.054	.982	.985	.982	.979	.984	.989	.997	.988
13.252	1.022	1.021	1.022	1.017	1.005	.996	1.006	1.003
13.500	1.191	1.194	1.205	1.212	1.215	1.214	1.230	1.235
13.748	1.217	1.220	1.227	1.243	1.251	1.257	1.277	1.279
13.994	1.210	1.220	1.229	1.237	1.244	1.250	1.268	1.268
14.492	1.223	1.234	1.230	1.231	1.237	1.245	1.261	1.266
14.988	1.181	1.185	1.184	1.188	1.199	1.208	1.231	1.227

CONFIGURATION			2		ANGLE OF ATTACK		0.00		MACH NUMBER		3.00	
TOTAL PRESSURE			36.30		DYNAMIC PRESSURE		6.226		STATIC PRESSURE		.988	
TOTAL TEMPERATURE			92.0		REYNOLDS NO.		4.56E+05					
			0		ROLL ANGLE		120		150		180	
			15		30		60		90			
			X/D									
2.411			1.200	1.207	1.205	1.205	1.212	1.225	1.226	1.223		
4.333			1.202	1.208	1.209	1.204	1.194	1.195	1.199	1.197		
4.829			.871	.869	.870	.868	.869	.869	.866	.871		
5.077			.842	.847	.843	.839	.832	.838	.833	.833		
5.325			.847	.853	.848	.854	.855	.856	.856	.855		
5.821			.868	.867	.864	.870	.877	.881	.877	.871		
6.566			.914	.917	.912	.904	.903	.909	.906	1.027		
7.558			.936	.939	.930	.926	.921	.920	.923	.921		
8.550			.871	.870	.871	.955	.953	.954	.949	.951		
9.542			.968	.971	.962	.957	.957	.963	.958	.956		
10.772			.987	.986	.981	.976	.977	.983	.978	.981		
11.640			.991	.997	.987	.980	.979	.989	.985	.984		
12.384			.997	1.001	.996	.993	.988	.992	.990	.991		
13.004			.985	.982	.982	.990	.995	1.000	.995	.988		
13.252			1.016	1.021	1.019	1.013	1.004	1.010	1.006	1.003		
13.503			1.213	1.223	1.225	1.219	1.206	1.212	1.212	1.211		
13.748			1.244	1.253	1.260	1.254	1.244	1.252	1.247	1.250		
13.996			1.235	1.252	1.255	1.250	1.244	1.252	1.248	1.248		
14.492			1.240	1.249	1.246	1.247	1.241	1.246	1.246	1.246		
14.988			1.204	1.203	1.206	1.207	1.204	1.213	1.208	1.204		

CONFIGURATION	2	ANGLE OF ATTACK	-1.03	MACH NUMBER	3.00
TOTAL PRESSURE	36.31	DYNAMIC PRESSURE	6.227	STATIC PRESSURE	.988
TOTAL TEMPERATURE	92.0	REYNOLDS NO.	4.56E+05		

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X/D	CONFIGURATION		2		ANGLE OF ATTACK		-2.05		MACH NUMBER		3.00	
	TOTAL PRESSURE		36.30		DYNAMIC PRESSURE		6.225		STATIC PRESSURE		.988	
	TOTAL TEMPERATURE		92.0		REYNOLDS NO.		4.56E+05					
	0	15	30	ROLL ANGLE		120	150	165	180			
				60	90							
2.411	1.274	1.279	1.277	1.244	1.201	1.171	1.163	1.161	1.156			
4.333	1.293	1.290	1.283	1.247	1.192	1.143	1.125	1.127	1.123			
4.829	.906	.907	.897	.882	.853	.840	.845	.847	.841			
5.077	.882	.886	.882	.859	.825	.805	.808	.810	.809			
5.325	.892	.894	.889	.864	.840	.826	.824	.826	.824			
5.821	.904	.905	.895	.877	.857	.854	.857	.855	.849			
6.566	.931	.937	.933	.910	.888	.885	.895	.898	.885			
7.558	.949	.948	.944	.922	.907	.908	.913	.923	.921			
8.550	.908	.907	.898	.884	.937	.941	.951	.952	.946			
9.542	.961	.966	.964	.949	.941	.950	.962	.963	.964			
10.772	.989	.990	.983	.969	.962	.969	.981	.983	.977			
11.640	.986	.990	.990	.974	.966	.974	.987	.990	.989			
12.384	.998	1.001	.998	.984	.979	1.284	.989	.995	.993			
13.004	.984	.986	.978	.973	.977	.989	.997	.996	.990			
13.252	1.039	1.015	1.012	1.005	.998	1.002	1.016	1.020	1.015			
13.500	1.264	1.263	1.260	1.243	1.214	1.187	1.176	1.180	1.176			
13.748	1.301	1.300	1.292	1.282	1.250	1.218	1.205	1.199	1.191			
13.996	1.276	1.280	1.279	1.265	1.238	1.215	1.205	1.201	1.200			
14.492	1.277	1.281	1.276	1.260	1.232	1.210	1.210	1.216	1.212			
14.968	1.246	1.247	1.236	1.222	1.191	1.176	1.179	1.179	1.173			

CONFIGURATION	2	ANGLE OF ATTACK	-4.12	MACH NUMBER	3.00
TOTAL PRESSURE	36.30	DYNAMIC PRESSURE	6.227	STATIC PRESSURE	.988
TOTAL TEMPERATURE	92.0	REYNOLDS NO.	4.5E+05		

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CONFIGURATION			ANGLE OF ATTACK		8.35		MACH NUMBER		4.00	
TOTAL PRESSURE	2	DYNAMIC PR SSURE			4.208	STATIC PRESSURE				.382
TOTAL TEMPERATURE	91.0	REYNOLDS NO.			4.33E+05					
			ROLL ANGLE							
			0	15	30	60	90	120	150	180
X/D										
2.411	.959	.897	.888	.811	1.021	1.546	2.072	2.236	2.294	
4.333	.951	.908	.891	.768	.993	1.498	2.003	2.166	2.228	
4.829	.675	.695	.673	.538	.648	.975	1.304	1.413	1.454	
5.077	.677	.668	.633	.531	.596	.918	1.254	1.363	1.404	
5.325	.664	.648	.627	.550	.591	.922	1.265	1.375	1.422	
5.821	.666	.642	.608	.557	.567	.911	1.254	1.369	1.409	
6.566	.725	.669	.588	.574	.552	.893	1.235	1.345	1.380	
7.558	.766	.647	.581	.583	.519	.849	1.189	1.296	1.335	
8.550	.801	.633	.606	.625	.545	.827	1.176	1.289	1.329	
9.542	.800	.628	.614	.651	.576	.794	1.160	1.279	1.320	
10.772	.813	.654	.636	.680	.616	.799	1.161	1.276	1.313	
11.640	.808	.686	.666	.686	.623	.769	1.135	1.256	1.292	
12.384	.808	.704	.692	.691	.634	.760	1.122	1.243	1.284	
13.004	.804	.711	.695	.688	.636	.762	1.127	1.248	1.285	
13.252	.825	.734	.734	.722	.681	.779	1.147	1.263	1.297	
13.500	1.155	.986	.846	.833	.783	1.049	1.556	1.718	1.775	
13.748	1.215	1.024	.880	.876	.818	1.124	1.633	1.794	1.845	
13.996	1.219	1.006	.855	.891	.804	1.128	1.637	1.802	1.852	
14.492	1.255	.976	.826	.905	.807	1.161	1.664	1.822	1.876	
14.988	1.241	.886	.779	.872	.784	1.166	1.657	1.814	1.858	

# P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		4.20	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		.302	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.34E+05			
	0	15	30	60	90	120	150	180
2.411	1.035	.999	.980	.962	1.125	1.457	1.809	2.959
4.333	1.032	1.023	.993	.946	1.102	1.427	1.775	1.934
4.829	.792	.762	.709	.645	.729	.941	1.165	1.265
5.077	.762	.734	.683	.610	.674	.880	1.103	1.203
5.325	.745	.728	.693	.616	.672	.885	1.110	1.213
5.821	.745	.732	.707	.632	.653	.872	1.100	1.203
6.566	.782	.765	.731	.661	.647	.863	1.091	1.189
7.558	.819	.787	.740	.672	.609	.827	1.058	1.159
8.550	.864	.806	.773	.723	.615	.813	1.054	1.159
9.542	.877	.803	.780	.752	.627	.785	1.040	1.151
10.772	.895	.805	.783	.779	.672	.785	1.040	1.147
11.640	.897	.806	.784	.791	.691	.760	1.017	1.132
12.384	.903	.810	.790	.802	.715	.757	1.013	1.124
13.034	.891	.799	.786	.801	.728	.761	1.014	1.124
13.252	.918	.840	.838	.843	.764	.780	1.034	1.139
13.500	1.229	1.060	.938	.968	.941	1.042	1.390	1.547
13.748	1.279	1.073	.973	1.023	.997	1.125	1.472	1.625
13.996	1.269	1.034	.962	1.023	.990	1.135	1.477	1.630
14.492	1.272	.985	.970	1.027	.990	1.172	1.500	1.649
14.988	1.180	.973	.976	1.000	.965	1.179	1.490	1.626

[illegible]

P/PINF

CONFIGURATION 2 ANGLE OF ATTACK 2.05 MACH NUMBER 4.00  
 TOTAL PRESSURE 58.14 DYNAMIC PRESSURE 4.288 STATIC PRESSURE .382  
 TOTAL TEMPERATURE 91.0 REYNOLDS NO. 4.34E+05

X/D	ROLL ANGLE				ROLL ANGLE			
	0	15	30	60	90	120	150	180
2.411	1.178	1.180	1.187	1.225	1.277	1.330	1.434	1.472
4.333	1.181	1.188	1.193	1.233	1.292	1.352	1.434	1.474
4.829	.882	.867	.855	.857	.881	.923	.947	.986
5.077	.829	.819	.802	.802	.823	.850	.885	.916
5.325	.798	.803	.796	.795	.822	.855	.897	.923
5.821	.799	.801	.798	.798	.823	.858	.903	.923
6.566	.843	.844	.836	.832	.851	.881	.923	.931
7.558	.843	.879	.866	.843	.856	.888	.924	.939
8.550	.926	.922	.912	.887	.881	.909	.946	.958
9.542	.940	.940	.929	.904	.891	.908	.939	.959
10.772	.963	.959	.950	.927	.914	.928	.956	.973
11.640	.967	.967	.956	.934	.914	.922	.949	.968
12.384	.971	.977	.966	.945	.922	.926	.955	.973
13.004	.964	.964	.953	.936	.922	.924	.962	.978
13.252	1.009	1.003	.993	.973	.948	.953	.982	.991
13.500	1.162	1.168	1.197	1.163	1.172	1.202	1.249	1.276
13.748	1.199	1.204	1.201	1.220	1.240	1.282	1.335	1.361
13.996	1.202	1.211	1.212	1.232	1.257	1.303	1.352	1.379
14.492	1.244	1.254	1.251	1.254	1.274	1.320	1.369	1.393
14.960	1.232	1.234	1.222	1.218	1.242	1.292	1.346	1.367

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		4.00		
	TOTAL PRESSURE	2	DYNAMIC PRESSURE	1.03	STATIC PRESSURE	4.200	.382		
	TOTAL TEMPERATURE	91.0	REYNOLDS NO.	4.34E+05					
		0	15	30	ROLL ANGLE	120	150	165	180
					60	90			
2.411	1.230	1.237	1.244	1.273	1.292	1.315	1.375	1.394	1.400
4.233	1.238	1.248	1.253	1.286	1.309	1.326	1.369	1.381	1.381
4.829	.809	.802	.807	.801	.801	.814	.823	.830	.843
5.077	.825	.834	.830	.832	.836	.843	.857	.869	.870
5.325	.820	.817	.818	.824	.836	.847	.866	.873	.874
5.821	.810	.814	.816	.827	.846	.857	.870	.879	.871
6.566	.862	.857	.855	.862	.876	.883	.897	.901	.906
7.598	.885	.885	.877	.874	.887	.900	.907	.913	.912
8.590	.925	.924	.919	.913	.916	.928	.936	.941	.943
9.543	.932	.942	.934	.920	.923	.930	.937	.945	.942
10.772	.960	.962	.955	.947	.946	.951	.955	.961	.966
11.640	.961	.969	.960	.950	.943	.945	.951	.959	.957
12.364	.984	.978	.973	.959	.949	.952	.959	.964	.964
13.004	.964	.966	.960	.950	.948	.949	.966	.973	.964
13.292	1.008	1.004	.996	.984	.974	.977	.987	.990	.996
13.503	1.173	1.179	1.180	1.191	1.195	1.207	1.226	1.233	1.235
13.748	1.217	1.222	1.227	1.248	1.263	1.277	1.296	1.306	1.313
13.996	1.220	1.234	1.240	1.265	1.281	1.303	1.322	1.333	1.332
14.492	1.286	1.285	1.285	1.296	1.307	1.326	1.345	1.354	1.352
14.988	1.252	1.258	1.253	1.254	1.270	1.298	1.317	1.328	1.319

P/PINP	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE				MACH NUMBER		4.00 .302	
	TOTAL PRESSURE	2	DYNAMIC PRESSURE	00	30	60	90	0.00	120	150		165
	TOTAL TEMPERATURE	50.13 91.0	REYNOLDS NO.					4.280 4.33E+05				
2.413	1.303	1.306	1.307	1.319	1.307	1.303	1.320	1.327	1.334			
4.332	1.314	1.316	1.315	1.326	1.324	1.306	1.302	1.308	1.309			
4.029	.910	.911	.911	.920	.919	.912	.906	.909	.911			
5.077	.849	.853	.854	.860	.857	.847	.834	.840	.843			
5.325	.840	.842	.844	.853	.851	.841	.833	.840	.842			
5.021	.840	.841	.841	.850	.849	.849	.846	.850	.847			
6.566	.874	.875	.874	.883	.884	.884	.879	.880	.880			
7.350	.894	.893	.897	.895	.901	.902	.897	.900	.902			
8.550	.930	.925	.923	.927	.930	.934	.931	.933	.932			
9.542	.960	.940	.936	.936	.939	.939	.935	.940	.941			
10.772	.964	.960	.955	.957	.959	.959	.955	.960	.960			
11.640	.965	.966	.959	.958	.957	.957	.953	.959	.961			
12.384	.980	.978	.974	.970	.965	.961	.960	.966	.967			
13.004	.968	.965	.962	.958	.960	.957	.967	.973	.971			
13.252	1.001	.999	.995	.990	.987	.993	.991	.995	.994			
13.507	1.205	1.199	1.197	1.205	1.201	1.196	1.190	1.201	1.203			
13.740	1.250	1.255	1.254	1.266	1.262	1.255	1.253	1.250	1.260			
13.996	1.275	1.277	1.275	1.287	1.284	1.279	1.276	1.284	1.285			
14.402	1.319	1.317	1.318	1.325	1.319	1.316	1.314	1.319	1.310			
14.980	1.287	1.286	1.284	1.292	1.293	1.288	1.287	1.294	1.289			



CONFIGURATION		2		ANGLE OF ATTACK		-1.02	MACH NUMBER		4.00
TOTAL PRESSURE	58.1°	DYNAMIC PRESSURE	4.289	STATIC PRESSURE	.382				
TOTAL TEMPERATURE	91.0	REYNOLDS NO.	4.34E+05						
				ROLL ANGLE					
	0	15	30	60	90	120	150	165	180
X/D									
2.411	1.373	1.375	1.364	1.348	1.301	1.265	1.254	1.259	1.260
4.333	1.390	1.387	1.377	1.369	1.313	1.257	1.240	1.242	1.240
4.829	.919	.924	.933	.935	.912	.887	.881	.887	.887
5.077	.877	.875	.872	.872	.848	.822	.815	.822	.824
5.325	.874	.871	.867	.866	.845	.825	.814	.817	.818
5.821	.872	.873	.869	.864	.849	.837	.825	.827	.824
6.566	.898	.899	.896	.895	.868	.871	.863	.864	.863
7.558	.912	.911	.900	.902	.897	.896	.893	.894	.893
8.550	.936	.935	.929	.930	.927	.929	.927	.930	.928
9.542	.943	.946	.937	.937	.934	.935	.935	.940	.941
10.772	.965	.963	.957	.956	.957	.956	.957	.962	.961
11.640	.964	.966	.959	.959	.954	.956	.956	.962	.964
12.384	.979	.979	.973	.970	.960	.961	.963	.970	.969
13.004	.966	.966	.962	.957	.956	.966	.968	.975	.975
13.252	.997	.997	.991	.987	.983	.991	.996	1.001	1.001
13.500	1.241	1.240	1.230	1.218	1.190	1.186	1.177	1.176	1.175
13.748	1.311	1.310	1.302	1.290	1.262	1.238	1.221	1.221	1.220
13.996	1.330	1.332	1.322	1.314	1.283	1.257	1.235	1.238	1.237
14.492	1.352	1.353	1.349	1.343	1.315	1.295	1.283	1.286	1.287
14.988	1.322	1.323	1.315	1.313	1.282	1.271	1.261	1.266	1.267

P/PINF

X/D	CONFIGURATION		2		ANGLE OF ATTACK		-2.01		MACH NUMBER		4.00
	TOTAL PRESSURE	58.13	DYNAMIC PRESSURE	4.288	STATIC PRESSURE	.362					
	TOTAL TEMPERATURE	91.0	REYNOLDS NO.	4.33E+05							
	0	15	30	ROLL ANGLE	120	150	165	180			
				60	90						
2.411	1.457	1.454	1.433	1.386	1.296	1.229	1.202	1.200	1.196		
4.333	1.480	1.470	1.449	1.399	1.298	1.214	1.186	1.183	1.182		
4.829	.952	.974	.972	.948	.875	.840	.865	.878	.878		
5.077	.923	.917	.908	.885	.823	.790	.803	.817	.818		
5.325	.920	.912	.903	.877	.826	.802	.805	.806	.805		
5.821	.915	.910	.900	.874	.834	.817	.810	.810	.811		
6.566	.934	.931	.920	.897	.861	.850	.849	.851	.850		
7.558	.940	.935	.921	.899	.875	.878	.884	.887	.887		
8.550	.956	.947	.937	.923	.901	.912	.921	.927	.925		
9.542	.964	.954	.942	.926	.910	.920	.931	.940	.940		
10.772	.979	.971	.959	.944	.932	.944	.955	.962	.962		
11.640	.975	.970	.960	.946	.935	.944	.954	.962	.965		
12.384	.985	.983	.975	.958	.941	.949	.960	.970	.973		
13.004	.973	.971	.962	.945	.939	.956	.965	.973	.978		
13.252	1.002	1.001	.992	.974	.963	.982	.995	1.004	1.005		
13.500	1.285	1.276	1.259	1.227	1.188	1.171	1.165	1.162	1.163		
13.748	1.370	1.358	1.342	1.305	1.252	1.224	1.204	1.200	1.199		
13.996	1.380	1.372	1.356	1.322	1.274	1.239	1.212	1.210	1.211		
14.492	1.388	1.388	1.375	1.348	1.294	1.266	1.253	1.253	1.256		
14.988	1.363	1.363	1.347	1.303	1.268	1.239	1.234	1.243	1.248		

X/D	CONFIGURATION		2		ANGLE OF ATTACK		-4.09		MACH NUMBER		4.00	
	TOTAL PRESSURE		58.12		DYNAMIC PRESSURE		4.287		STATIC PRESSURE		.383	
	TOTAL TEMPERATURE		91.0		REYNOLDS NO.		4.33E+05					
	0	15	30	ROLL ANGLE		120	150	165	180			
				60	90							
2.411	1.667	1.658	1.605	1.455	1.242	1.112	1.102	1.104	1.106			
4.333	1.676	1.658	1.603	1.451	1.232	1.109	1.096	1.102	1.107			
4.829	1.086	1.091	1.060	.959	.829	.754	.779	.833	.866			
5.077	1.032	1.026	.993	.900	.770	.710	.750	.795	.816			
5.325	1.029	1.021	.989	.895	.770	.727	.766	.783	.794			
5.821	1.022	1.015	.984	.885	.769	.751	.774	.780	.786			
6.566	1.031	1.025	.993	.895	.786	.788	.813	.826	.827			
7.558	1.021	1.014	.977	.879	.784	.810	.851	.870	.872			
8.550	1.020	1.010	.977	.882	.800	.847	.890	.908	.914			
9.542	1.014	1.004	.969	.873	.808	.860	.895	.918	.927			
10.772	1.022	1.014	.979	.884	.839	.856	.917	.935	.945			
11.640	1.014	1.007	.973	.886	.850	.898	.912	.932	.944			
12.384	1.024	1.017	.982	.898	.864	.906	.916	.934	.946			
13.004	1.011	1.001	.971	.888	.865	.911	.918	.934	.948			
13.252	1.040	1.032	.999	.915	.891	.947	.951	.959	.970			
13.500	1.381	1.369	1.321	1.197	1.116	1.093	1.085	1.145	1.181			
13.748	1.466	1.454	1.410	1.283	1.181	1.141	1.115	1.164	1.213			
13.996	1.464	1.451	1.409	1.290	1.187	1.155	1.131	1.155	1.204			
14.492	1.481	1.471	1.430	1.318	1.193	1.178	1.172	1.189	1.227			
14.988	1.459	1.450	1.404	1.295	1.166	1.158	1.150	1.172	1.218			

P/PINF

CONFIGURATION 2 ANGLE OF ATTACK 8.31 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.31 DYNAMIC PRESSURE 3.542 STATIC PRESSURE .250  
 TOTAL TEMPERATURE 93.0 REYNOLDS NO. 4.17E+05

X/D	ROLL ANGLE					
	0	15	30	60	90	180
2.411	.951	.900	.894	.848	1.085	2.339
4.333	.914	.870	.850	.755	1.066	2.288
4.829	.657	.688	.651	.513	.695	1.456
5.077	.648	.643	.600	.492	.621	1.355
5.325	.654	.621	.592	.514	.608	1.350
5.821	.647	.607	.567	.530	.575	1.316
6.566	.709	.635	.565	.550	.561	1.312
7.558	.721	.589	.567	.562	.529	1.287
8.550	.734	.596	.591	.607	.544	1.275
9.542	.722	.604	.598	.618	.553	1.238
10.772	.752	.642	.635	.638	.579	1.255
11.640	.748	.651	.639	.641	.584	1.243
12.384	.774	.673	.655	.652	.605	1.257
13.004	.770	.671	.652	.649	.607	1.215
13.252	.792	.707	.703	.697	.666	1.236
13.500	1.117	.941	.782	.772	.734	1.694
13.748	1.185	.998	.826	.829	.772	1.818
13.996	1.191	.969	.802	.842	.760	1.836
14.492	1.246	.949	.786	.865	.773	1.874
14.988	1.260	.866	.749	.832	.747	1.858
						2.518
						2.503
						1.530
						1.479
						1.486
						1.461
						1.448
						1.419
						1.405
						1.369
						1.389
						1.382
						1.393
						1.347
						1.378
						1.398
						1.883
						1.933
						2.006
						2.024
						2.062
						2.118
						2.090

## P/PINF

CONFIGURATION 2  
 TOTAL PRESSURE 72.3C  
 TOTAL TEMPERATURE 93.0

ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.

6.17 6.17  
 3.541 3.541  
 4.17E+05 4.17E+05

MACH NUMBER  
 STATIC PRESSURE

4.50  
 .250

X/D	ROLL ANGLE				
	0	15	30	60	90
2.411	1.037	1.010	1.011	.991	1.582
4.333	.995	.996	.962	.956	1.561
4.829	.772	.758	.700	.612	.998
5.077	.741	.713	.654	.592	.908
5.325	.735	.709	.662	.602	.912
5.821	.736	.714	.671	.609	.885
6.566	.766	.762	.691	.623	.883
7.558	.784	.762	.700	.614	.866
8.550	.832	.801	.738	.657	.854
9.542	.841	.802	.742	.684	.815
10.772	.861	.808	.757	.727	.820
11.640	.856	.791	.746	.736	.797
12.384	.865	.788	.762	.756	.815
13.004	.852	.766	.759	.752	.788
13.252	.883	.809	.817	.800	.806
13.500	1.181	1.022	.905	.903	1.075
13.748	1.244	1.065	.952	.969	1.182
13.996	1.240	1.037	.939	.979	1.197
14.492	1.283	1.017	.952	.996	1.242
14.988	1.200	.960	.948	.974	1.245
					1.637
					1.650
					1.778
					1.787
					1.814
					1.787
					1.801
					1.883
					1.211
					1.226
					1.211
					1.196
					1.183
					1.215
					1.650
					1.780
					1.793
					1.828
					1.801

P/PINF

CONFIGURATION 2 ANGLE OF ATTACK 4.10 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.29 DYNAMIC PRESSURE 3.541 STATIC PRESSURE .250  
 TOTAL TEMPERATURE 93.0 REYNOLDS NO. 4.17E+05

X/D	ROLL ANGLE				
	0	15	30	60	90
2.411	1.130	1.122	1.113	1.137	1.491
4.333	1.084	1.086	1.085	1.120	1.482
4.829	.856	.830	.776	.736	.942
5.077	.809	.786	.748	.704	.866
5.325	.794	.769	.747	.708	.877
5.821	.764	.746	.736	.712	.865
6.566	.801	.795	.767	.724	.872
7.558	.831	.820	.789	.717	.866
8.550	.895	.887	.856	.757	.875
9.542	.916	.905	.873	.775	.851
10.772	.949	.941	.911	.814	.867
11.640	.945	.936	.908	.840	.851
12.384	.962	.943	.920	.866	.875
13.004	.941	.924	.908	.862	.854
13.252	.978	.966	.953	.902	.873
13.500	1.177	1.125	1.074	1.081	1.143
13.748	1.226	1.178	1.127	1.155	1.252
13.996	1.217	1.182	1.141	1.165	1.274
14.492	1.249	1.218	1.192	1.181	1.317
14.988	1.238	1.196	1.170	1.146	1.308
					1.503
					1.593
					1.617
					1.586
					1.575
					1.458
					1.089
					1.059
					1.067
					1.077
					1.094
					1.053
					1.073
					1.066
					1.082
					1.059
					1.134
					1.488
					1.588
					1.594
					1.617
					1.595
					1.862
					1.825
					1.117
					1.058
					1.075
					1.069
					1.093
					1.069
					1.074
					1.053
					1.094
					1.077
					1.067
					1.059
					1.089
					1.458
					1.575
					1.586
					1.618
					1.595

X/D	CONFIGURATION		2		ANGLE OF ATTACK		2.04		MACH NUMBER		4.50	
	TOTAL PRESSURE		72.27		DYNAMIC PRESSURE		3.540		STATIC PRESSURE		.249	
	TOTAL TEMPERATURE		93.0		REYNOLDS NO.		4.17E+05					
	0	15	30	ROLL ANGLE		120	150	165	180			
				60	90							
2.411	1.238	1.234	1.239	1.273	1.334	1.431	1.536	1.566	1.581			
4.333	1.188	1.200	1.219	1.260	1.335	1.417	1.523	1.549	1.566			
4.829	.901	.900	.879	.843	.859	.896	.954	.971	.977			
5.077	.823	.827	.818	.798	.806	.842	.901	.916	.919			
5.325	.805	.805	.807	.795	.811	.859	.916	.933	.933			
5.821	.790	.790	.797	.794	.808	.857	.908	.928	.933			
6.566	.828	.845	.823	.824	.830	.889	.936	.943	.955			
7.558	.845	.850	.834	.824	.839	.893	.936	.941	.948			
8.550	.695	.905	.892	.859	.873	.909	.952	.962	.966			
9.542	.925	.924	.918	.887	.880	.905	.950	.961	.966			
10.772	.969	.969	.957	.927	.905	.946	.990	1.002	1.011			
11.640	.975	.969	.956	.932	.905	.942	.989	.999	1.000			
12.304	.994	.981	.973	.946	.928	.969	1.012	1.023	1.000			
13.004	.975	.966	.960	.935	.915	.946	.979	1.006	1.000			
13.252	1.026	1.013	1.000	.972	.946	.966	1.006	1.040	1.033			
13.500	1.161	1.170	1.175	1.204	1.209	1.246	1.307	1.377	1.355			
13.748	1.210	1.222	1.236	1.283	1.299	1.340	1.406	1.475	1.455			
13.996	1.218	1.229	1.240	1.298	1.311	1.361	1.428	1.482	1.468			
14.492	1.281	1.279	1.287	1.314	1.335	1.388	1.452	1.498	1.488			
14.988	1.272	1.270	1.261	1.270	1.304	1.362	1.420	1.467	1.460			

P/PINF

CONFIGURATION 2 ANGLE OF ATTACK 1.02 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.28 DYNAMIC PRESSURE 3.560 STATIC PRESSURE .249  
 TOTAL TEMPERATURE 93.0 REYNOLDS NO. 4.17E+05

X/D	ROLL ANGLE				150	165	180
	0	15	30	90			
2.411	1.297	1.295	1.303	1.331	1.391	1.457	1.464
4.333	1.263	1.270	1.281	1.310	1.364	1.453	1.455
4.829	.907	.919	.999	.881	.898	.934	.935
5.077	.826	.836	.825	.819	.837	.875	.872
5.325	.817	.815	.814	.813	.858	.889	.883
5.821	.806	.806	.814	.815	.851	.877	.876
6.566	.845	.881	.845	.848	.872	.900	.906
7.558	.858	.859	.860	.859	.887	.906	.906
8.550	.910	.911	.909	.912	.919	.935	.934
9.542	.924	.930	.922	.924	.919	.940	.935
10.772	.962	.974	.966	.951	.959	.987	.986
11.640	.967	.973	.966	.952	.957	.986	.985
12.384	.988	.987	.984	.968	.989	1.014	.994
13.004	.970	.971	.967	.954	.972	.989	.994
13.252	1.018	1.014	1.007	.993	.994	1.012	1.024
13.500	1.177	1.185	1.198	1.220	1.261	1.297	1.320
13.748	1.232	1.240	1.258	1.299	1.349	1.382	1.413
13.996	1.246	1.253	1.266	1.314	1.373	1.404	1.426
14.492	1.322	1.316	1.323	1.350	1.404	1.431	1.446
14.988	1.311	1.308	1.308	1.316	1.376	1.403	1.414



## P/PINF

X/D	CONFIGURATION 2		ANGLE OF ATTACK		MACH NUMBER		4.50	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		.249	
	TOTAL TEMPERATURE 93.0		REYNOLDS NO.		0.00		4.17E+05	
			ROLL ANGLE					
			60	90				
	0	15	30	60	90	120	150	180
2.411	1.366	1.363	1.370	1.381	1.365	1.352	1.362	1.368
4.333	1.362	1.362	1.370	1.380	1.358	1.348	1.363	1.368
4.829	.914	.931	.931	.934	.914	.905	.913	.918
5.077	.856	.861	.859	.872	.852	.839	.847	.847
5.325	.848	.854	.853	.858	.851	.849	.852	.852
5.821	.834	.835	.841	.846	.845	.846	.841	.842
6.566	.863	.862	.867	.874	.871	.873	.870	.872
7.558	.874	.874	.877	.885	.888	.888	.885	.890
8.550	.919	.921	.924	.936	.930	.920	.916	.912
9.542	.933	.932	.932	.945	.931	.925	.926	.924
10.772	.967	.969	.968	.966	.963	.968	.973	.981
11.640	.970	.968	.964	.962	.961	.970	.974	.976
12.384	.988	.984	.983	.977	.983	.998	1.000	.983
13.004	.971	.967	.968	.963	.969	.980	.977	.979
13.252	1.011	1.004	1.004	1.001	1.002	1.007	1.009	1.014
13.500	1.207	1.206	1.211	1.217	1.230	1.241	1.239	1.233
13.748	1.278	1.276	1.283	1.294	1.133	1.313	1.307	1.304
13.996	1.300	1.297	1.301	1.315	1.143	1.337	1.334	1.325
14.492	1.372	1.364	1.368	1.369	1.183	1.387	1.384	1.380
14.988	1.347	1.345	1.340	1.346	1.158	1.359	1.358	1.359

CONFIGURATION	2	ANGLE OF ATTACK	-1.02	MACH NUMBER	4.50
TOTAL PRESSURE	72.31	DYNAMIC PRESSURE	3.542	STATIC PRESSURE	.269
TOTAL TEMPERATURE	93.0	REYNOLDS NO.	4.17E+05		

69

CONFIGURATION		2		ANGLE OF ATTACK		-2.04		MACH NUMBER	
TOTAL PRESSURE		72.34		DYNAMIC PRESSURE		3.543		STATIC PRESSURE	
TOTAL TEMPERATURE		93.0		REYNOLDS NO.		4.17E+05			
		15		30		60		90	
		120		150		180			
X/D									
2.411	1.574	1.560	1.543		1.234	1.233	1.237	4.50	
4.333	1.570	1.560	1.523		1.216	1.198	1.196	.250	
4.829	.974	.988	.987		.880	.894	.901		
5.077	.925	.931	.911		.811	.813	.812		
5.325	.933	.929	.907		.809	.808	.799		
5.821	.919	.917	.904		.797	.797	.791		
6.566	.947	.940	.936		.830	.832	.832		
7.558	.940	.935	.929		.847	.851	.850		
8.550	.964	.961	.957		.880	.893	.898		
9.542	.965	.965	.955		.907	.919	.918		
10.772	.986	.994	.990		.974	.975	.977		
11.640	.992	.994	.977		.976	.974	.973		
12.384	1.015	1.000	.990		1.000	1.002	.984		
13.004	.993	.981	.973		.979	.986	.979		
13.252	1.048	1.014	1.003		1.013	1.019	1.025		
13.902	1.374	1.298	1.273		1.208	1.179	1.168		
13.748	1.475	1.408	1.376		1.251	1.223	1.217		
13.996	1.470	1.429	1.402		1.249	1.225	1.217		
14.492	1.500	1.465	1.445		1.289	1.278	1.270		
14.988	1.463	1.443	1.416		1.275	1.278	1.272		

# P/PINF

CONFIGURATION 2 ANGLE OF ATTACK -4.08 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.35 DYNAMIC PRESSURE 3.543 STATIC PRESSURE .250  
 TOTAL TEMPERATURE 93.0 REYNOLDS NO. 4.10E+05

X/O	ROLL ANGLE				
	0	15	30	60	90
2.411	1.043	1.813	1.745	1.124	1.133
4.333	1.041	1.812	1.739	1.084	1.084
4.829	1.113	1.114	1.121	.783	.829
2.077	1.063	1.063	1.030	.781	.770
5.325	1.074	1.058	1.021	.759	.780
5.821	1.059	1.046	1.009	.742	.753
6.566	1.079	1.063	1.026	.750	.784
7.958	1.060	1.050	1.011	.707	.823
3.550	1.067	1.059	1.021	.859	.876
9.542	1.059	1.045	1.008	.893	.913
10.772	1.066	1.063	1.026	.937	.962
11.660	1.065	1.053	1.014	.927	.952
12.384	1.081	1.057	1.016	.945	.955
13.004	1.057	1.035	.994	.922	.947
17.252	1.135	1.066	1.024	.953	.986
13.500	1.502	1.428	1.354	1.119	1.103
13.748	1.601	1.546	1.479	1.164	1.227
13.996	1.586	1.545	1.487	1.171	1.216
14.402	1.527	1.584	1.527	1.214	1.245
14.988	1.595	1.561	1.514	1.190	1.227

P/PINF

(Minus Roll Angles)

CONFIGURATION 2  
 TOTAL PRESSURE 19.94  
 TOTAL TEMPERATURE 89.0

ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.

0.00  
 8.030  
 4.60E+05

MACH NUMBER  
 STATIC PRESSURE

1.75  
 3.745

X/D	ROLL ANGLE					
	360	345	330	300	270	180
2.411	1.111	1.113	1.113	1.114	1.122	1.130
4.333	1.109	1.111	1.109	1.113	1.112	1.108
4.829	.866	.866	.864	.866	.868	.870
5.077	.891	.893	.893	.894	.893	.895
5.325	.913	.914	.914	.914	.917	.925
5.821	.937	.938	.937	.938	.943	.953
6.566	.969	.969	.969	.968	.967	.971
7.558	.995	.996	.995	.993	.985	.988
8.550	1.039	1.011	1.011	1.019	1.015	.994
9.542	1.005	1.004	.998	1.006	1.013	1.009
10.772	1.013	1.017	1.012	1.009	1.009	1.008
11.640	1.013	1.017	1.015	1.012	1.010	1.006
12.384	1.019	1.021	1.019	1.015	1.008	1.007
13.004	1.009	1.011	1.008	1.006	1.009	1.007
13.252	1.049	1.052	1.051	1.049	1.044	1.010
13.500	1.176	1.130	1.178	1.177	1.179	1.039
13.748	1.176	1.178	1.174	1.174	1.174	1.178
13.996	1.154	1.158	1.157	1.159	1.156	1.168
14.492	1.142	1.145	1.146	1.148	1.149	1.148
14.988	1.110	1.112	1.112	1.116	1.117	1.142
						1.115
						1.119
						1.117
						1.142
						1.151
						1.171
						1.181
						1.040
						1.038
						1.011
						1.008
						1.008
						1.004
						1.007
						1.009
						1.011
						1.006
						.993
						.987
						.986
						.971
						.953
						.925
						.896
						.873
						1.111
						1.133

P/PINF  
(Minus Roll Angles)

CONFIGURATION 2  
TOTAL PRESSURE 19.91  
TOTAL TEMPERATURE 89.0

ANGLE OF ATTACK  
DYNAMIC PRESSURE  
REYNOLDS NO.

8.37  
8.016  
4.59E+05

MACH NUMBER  
STATIC PRESSURE

1.75  
3.739

X/D	ROLL ANGLE					
	360	345	330	300	270	180
2.411	1.032	1.020	1.011	.983	1.004	1.316
4.333	1.034	1.021	1.012	.976	.987	1.287
4.829	.747	.827	.817	.754	.760	1.006
5.077	.862	.852	.841	.787	.775	1.018
5.325	.891	.884	.874	.810	.784	1.042
5.821	.938	.927	.912	.849	.788	1.046
6.566	.980	.965	.946	.910	.809	1.040
7.558	.994	.968	.951	.940	.856	1.029
8.550	1.001	.964	.957	.959	.894	1.042
9.542	.995	.939	.951	.963	.891	1.059
10.772	1.014	.956	.962	.963	.911	1.066
11.640	1.023	.977	.973	.963	.915	1.066
12.384	1.006	.973	.975	.965	.913	1.068
13.004	.991	.962	.967	.962	.913	1.070
13.252	1.012	.986	1.019	1.027	.932	1.084
13.500	1.219	1.170	1.106	1.090	1.094	1.284
13.748	1.252	1.135	1.087	1.086	1.068	1.275
13.996	1.123	1.071	1.089	1.082	1.041	1.257
14.492	1.136	1.074	1.071	1.070	1.037	1.273
14.988	1.088	1.025	1.035	1.045	1.015	1.248

P/PINF  
(Minus Roll Angles)

X/D	CONFIGURATION		2		ANGLE OF ATTACK		0.00		MACH NUMBER		3.0	
	TOTAL PRESSURE		36.28		DYNAMIC PRESSURE		6.222		STATIC PRESSURE		.981	
	TOTAL TEMPERATURE		92.0		REYNOLDS NO.		4.55E+05					
	360	345	330	300	270	240	210	195	180			
	ROLL ANGLE											
2.411	1.194	1.194	1.195	1.198	1.205	1.215	1.223	1.225	1.224			
4.333	1.195	1.196	1.201	1.206	1.204	1.197	1.200	1.201	1.198			
4.829	.837	.868	.869	.871	.868	.863	.862	.861	.861			
5.077	.837	.837	.839	.841	.837	.831	.831	.827	.830			
5.325	.844	.844	.848	.849	.852	.856	.856	.855	.855			
5.821	.868	.868	.868	.867	.870	.874	.873	.874	.873			
6.566	.909	.910	.910	.908	.902	.902	.903	.903	.902			
7.558	.930	.932	.932	.930	.924	.922	.922	.922	.921			
8.550	.958	.957	.960	.959	.954	.947	.946	.945	.943			
9.542	.962	.962	.960	.958	.955	.955	.955	.953	.951			
10.772	.984	.984	.985	.980	.976	.974	.975	.974	.974			
11.640	.987	.989	.986	.983	.979	.980	.982	.983	.981			
12.384	.994	.994	.994	.994	.992	.992	.992	.989	.988			
13.004	.983	.985	.985	.985	.989	.993	.991	.990	.991			
13.252	1.009	1.011	1.012	1.014	1.013	1.009	1.005	1.004	1.002			
13.500	1.209	1.212	1.213	1.219	1.220	1.218	1.215	1.215	1.212			
13.748	1.242	1.244	1.248	1.255	1.254	1.249	1.247	1.245	1.243			
13.996	1.238	1.238	1.240	1.245	1.249	1.249	1.248	1.247	1.243			
14.492	1.241	1.236	1.239	1.243	1.247	1.250	1.248	1.245	1.243			
14.988	1.200	1.202	1.202	1.205	1.205	1.208	1.207	1.207	1.205			

P/PINF  
(Minus Roll Angles)

CONFIGURATION 2 ANGLE OF ATTACK 8.39 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.28 DYNAMIC PRESSURE 6.221 STATIC PRESSURE .987  
 TOTAL TEMPERATURE 92.0 REYNOLDS NO. 4.55E+05

X/D	ROLL ANGLE					
	360	345	330	300	270	180
2.411	.992	.967	.961	.862	.934	1.619
4.333	.987	.968	.956	.859	.925	1.587
6.829	.731	.755	.739	.610	.639	1.095
5.077	.740	.723	.709	.601	.618	1.082
5.325	.733	.723	.721	.615	.617	1.105
5.821	.773	.757	.740	.637	.600	1.092
6.566	.837	.804	.776	.680	.571	1.075
7.558	.873	.800	.775	.725	.539	1.124
8.550	.905	.789	.780	.770	.581	1.034
9.542	.912	.757	.754	.789	.648	1.014
10.772	.936	.755	.756	.820	.744	1.006
11.640	.931	.760	.772	.836	.775	.998
12.384	.936	.795	.801	.848	.793	1.003
13.004	.899	.787	.813	.841	.784	.996
13.252	.927	.827	.857	.871	.798	1.005
13.500	1.221	1.062	1.017	1.007	.989	1.321
13.748	1.255	1.061	1.015	1.032	.983	1.449
13.996	1.243	1.012	.971	1.003	.948	1.332
14.492	1.278	.927	.962	.985	.932	1.330
14.988	1.111	.871	.958	.965	.896	1.369
						1.469
						1.452
						1.498
						1.526
						1.514



Table IV. Configuration & Basic Data  
P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		12.58		MACH NUMBER	
	TOTAL PRESSURE		19.82		DYNAMIC PRESSURE		7.982		STATIC PRESSURE	
	TOTAL TEMPERATURE		89.0		REYNOLDS NO.		4.57E+05			
	0	15	30	60	90	120	150	165	180	1.75
2.411	.994	.955	.962	.901	.858	1.079	1.320	1.396		1.426
4.333	1.011	.954	.968	.893	.851	1.069	1.318	1.398		1.432
4.829	.766	.752	.797	.703	.648	.817	1.022	1.087		1.117
5.077	.811	.802	.827	.755	.655	.831	1.035	1.101		1.130
5.325	.850	.823	.825	.765	.652	.832	1.040	1.107		1.137
5.821	.910	.873	.871	.811	.632	.822	1.039	1.106		1.138
6.566					.630	.790	1.016	1.087		1.120
7.558	.976	.885	.876	.888	.737	.768	1.004	1.077		1.112
8.550	.969	.889	.891	.919	.803	.793	1.022	1.086		1.118
9.542	.970	.880	.907	.926	.821	.832	1.032	1.092		1.119
11.272	.967	.927	.946	.932	.824	.841	1.042	1.109		1.140
12.008	.943	.931	.955	.938	.835	.841	1.043	1.111		1.147
12.636	.955	.957	.956	.933	.841	.849	1.043	1.111		1.144
13.008	.953	.961	.960	.940	.845	.841	1.029	1.095		1.129
13.256	.951	.969	1.013	1.039	.874	.825	1.006	1.070		1.104
13.504	1.265	1.293	1.210	1.135	1.099	1.115	1.351	1.432		1.474
13.752	1.253	1.254	1.146	1.110	1.051	1.118	1.345	1.426		1.466
14.000	1.211	1.248	1.110	1.092	1.022	1.131	1.351	1.429		1.465
14.496	1.049	1.077	1.026	1.065	.986	1.143	1.349	1.427		1.47C
14.992	1.035	1.072	.996	1.032	.939	1.115	1.331	1.404		1.439

CONFIGURATION	8	ANGLE OF ATTACK	10.47	MACH NUMBER	1.75
TOTAL PRESSURE	19.83	DYNAMIC PRESSURE	7.985	STATIC PRESSURE	3.725
TOTAL TEMPERATURE	89.0	REYNOLDS NO.	4.57E+05		

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## P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		8.37		MACH NUMBER		1.75	
	TOTAL PRESSURE		19.84		DYNAMIC PRESSURE		7.988		STATIC PRESSURE		3.726	
	TOTAL TEMPERATURE		89.0		REYNOLDS NO.		4.57E+05					
	0	15	30	60	90	120	150	165	180			
2.411	1.034	1.026	1.016	.988	1.010	1.119	1.237	1.276	1.290			
4.333	1.028	1.022	1.018	.971	1.001	1.111	1.235	1.277	1.292			
4.829	.786	.827	.819	.759	.768	.853	.956	.988	.999			
5.077	.064	.856	.847	.793	.789	.872	.975	1.005	1.016			
5.325	.877	.876	.867	.801	.797	.882	.982	1.014	1.026			
5.821	.936	.928	.917	.853	.801	.886	.989	1.023	1.034			
6.566					.826	.872	.978	1.012	1.024			
7.558	.995	.972	.958	.945	.870	.889	.980	1.013	1.026			
8.550	1.001	.968	.962	.962	.897	.918	1.013	1.035	1.044			
9.542	.998	.957	.961	.968	.910	.930	1.025	1.063	1.062			
11.272	.994	.952	.967	.966	.916	.941	1.029	1.058	1.068			
12.008	1.005	.969	.973	.965	.921	.943	1.029	1.060	1.073			
12.636	.994	.959	.968	.958	.922	.951	1.031	1.062	1.074			
13.008	.999	.966	.973	.964	.922	.940	1.020	1.050	1.062			
13.256	1.004	.980	1.062	1.084	.942	.921	.998	1.029	1.040			
13.504	1.349	1.275	1.183	1.167	1.200	1.227	1.331	1.370	1.387			
13.752	1.341	1.192	1.138	1.148	1.154	1.218	1.222	1.359	1.375			
14.000	1.187	1.120	1.138	1.145	1.130	1.218	1.321	1.356	1.368			
14.496	1.153	1.103	1.103	1.104	1.106	1.203	1.312	1.346	1.368			
14.992	1.122	1.041	1.049	1.066	1.058	1.166	1.279	1.316	1.331			

# P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		1.75	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		3.725	
	TOTAL TEMPERATURE		REYNOLDS NC.		4.57E+05			
	0	15	30	60	90	120	150	180
2.411	1.053	1.054	1.048	1.042	1.059	1.108	1.201	1.232
4.333	1.046	1.045	1.040	1.024	1.051	1.103	1.200	1.236
4.829	.833	.837	.825	.800	.806	.867	.929	.958
5.077	.873	.867	.862	.832	.831	.888	.948	.977
5.325	.887	.885	.879	.839	.843	.902	.960	.990
5.821	.941	.936	.929	.888	.858	.914	.973	1.003
6.566					.881	.911	.967	.997
7.558	1.031	.993	.980	.946	.921	.935	.982	1.009
8.550	1.006	.996	.985	.962	.945	.963	1.010	1.024
9.542	1.005	.992	.986	.968	.955	.972	1.021	1.044
11.272	.999	.985	.981	.988	.955	.974	1.024	1.046
12.008	1.015	.995	.987	.987	.958	.975	1.025	1.050
12.636	1.004	.983	.983	.982	.959	.982	1.027	1.050
13.038	1.010	.988	.990	.989	.959	.973	1.016	1.039
13.256	1.019	1.024	1.095	1.108	.983	.955	.997	1.019
13.504	1.308	1.264	1.192	1.192	1.242	1.262	1.321	1.353
13.752	1.225	1.192	1.185	1.178	1.199	1.255	1.308	1.339
14.000	1.198	1.141	1.154	1.172	1.178	1.248	1.304	1.330
14.496	1.157	1.099	1.112	1.127	1.153	1.226	1.291	1.318
14.992	1.114	1.075	1.078	1.087	1.099	1.185	1.253	1.286

CONFIGURATION	8		ANGLE OF ATTACK		4.17		MACH NUMBER		1.75
	TOTAL PRESSURE		DYNAMIC PRESSURE		7.982		STATIC PRESSURE		
	TOTAL TEMPERATURE		REYNOLDS NO.		4.57E+05				
	0	15	30	60	90	120	150	165	180
X/D									
2.411	1.074	1.075	1.071	1.078	1.089	1.131	1.170	1.163	1.186
4.333	1.062	1.062	1.058	1.059	1.085	1.127	1.170	1.185	1.190
4.829	.845	.846	.838	.827	.841	.872	.905	.918	.922
5.077	.877	.876	.870	.857	.867	.896	.928	.940	.944
5.325	.890	.889	.883	.865	.886	.911	.943	.955	.959
5.821	.939	.936	.931	.909	.905	.929	.961	.973	.976
6.566					.930	.937	.963	.973	.976
7.558	1.001	.998	.994	.980	.963	.965	.987	.995	.998
8.550	1.005	1.006	1.002	.991	.980	.988	1.007	1.017	1.010
9.542	1.007	1.006	1.002	.993	.989	.998	1.020	1.031	1.032
11.272	1.007	1.002	.998	.994	.985	.996	1.020	1.029	1.030
12.008	1.013	1.007	1.000	.994	.988	.996	1.021	1.032	1.033
12.636	1.005	1.001	.994	.991	.988	.998	1.024	1.033	1.033
13.008	1.012	1.007	1.003	.998	.987	.990	1.014	1.023	1.022
13.256	1.108	1.127	1.129	1.122	1.021	.980	.999	1.007	1.007
13.504	1.265	1.227	1.202	1.223	1.269	1.280	1.309	1.320	1.325
13.752	1.210	1.194	1.184	1.196	1.234	1.270	1.298	1.307	1.310
14.000	1.198	1.180	1.173	1.185	1.215	1.256	1.289	1.298	1.299
14.496	1.158	1.145	1.135	1.146	1.181	1.230	1.272	1.281	1.278
14.992	1.116	1.100	1.107	1.108	1.128	1.185	1.231	1.242	1.246

# P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		2.08		MACH NUMBER		1.75	
	TOTAL PRESSURE		19.82		DYNAMIC PRESSURE		7.981		STATIC PRESSURE		3.723	
	TOTAL TEMPERATURE		89.0		REYNOLDS NO.		4.57E+05					
					ROLL ANGLE							
					60		90					
	0	15	30	60	90	120	150	180				
2.411	1.092	1.098	1.099	1.104	1.109	1.127	1.144	1.150	1.150	1.150	1.150	1.150
4.333	1.078	1.082	1.081	1.087	1.106	1.125	1.142	1.148	1.148	1.148	1.148	1.148
4.829	.850	.853	.852	.851	.861	.873	.887	.892	.892	.892	.892	.892
5.077	.882	.885	.883	.881	.888	.900	.912	.916	.916	.916	.916	.916
5.325	.891	.894	.891	.887	.910	.918	.931	.936	.936	.936	.936	.936
5.821	.934	.936	.934	.927	.932	.943	.955	.959	.959	.959	.959	.959
6.566	.999	1.000	1.000	.993	.955	.955	.963	.966	.966	.966	.966	.966
7.558	1.004	1.010	1.010	1.004	.988	.985	.989	.990	.990	.990	.990	.990
8.550	1.006	1.010	1.011	1.005	1.002	1.003	1.007	1.008	1.008	1.008	1.008	1.008
9.542	1.006	1.008	1.008	1.005	1.010	1.015	1.021	1.022	1.022	1.022	1.022	1.022
11.272	1.012	1.014	1.013	1.005	1.004	1.009	1.018	1.021	1.021	1.021	1.021	1.021
12.008	1.005	1.008	1.006	1.002	1.005	1.009	1.020	1.023	1.023	1.023	1.023	1.023
12.636	1.005	1.008	1.006	1.002	1.007	1.013	1.022	1.024	1.024	1.024	1.024	1.024
13.008	1.010	1.013	1.011	1.006	1.006	1.006	1.014	1.016	1.016	1.016	1.016	1.016
13.256	1.134	1.135	1.131	1.105	1.052	1.012	1.011	1.012	1.012	1.012	1.012	1.012
13.504	1.231	1.234	1.240	1.255	1.273	1.281	1.294	1.297	1.297	1.297	1.297	1.297
13.752	1.208	1.211	1.212	1.224	1.249	1.268	1.280	1.284	1.284	1.284	1.284	1.284
14.000	1.197	1.200	1.201	1.212	1.234	1.255	1.269	1.272	1.272	1.272	1.272	1.272
14.496	1.160	1.163	1.162	1.171	1.197	1.228	1.245	1.248	1.248	1.248	1.248	1.248
14.942	1.122	1.124	1.124	1.132	1.146	1.186	1.206	1.211	1.211	1.211	1.211	1.211

## P/PINF

CONFIGURATION 8 ANGLE OF ATTACK 1.04 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.82 DYNAMIC PRESSURE 7.982 STATIC PRESSURE 3.723  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 4.57E+05

X/D	ROLL ANGLE									
	0	15	30	60	90	120	150	165	180	
2.411	1.107	1.110	1.112	1.114	1.113	1.122	1.131	1.135	1.134	
4.333	1.091	1.092	1.094	1.099	1.111	1.120	1.128	1.131	1.133	
4.829	.856	.859	.860	.858	.866	.871	.880	.881	.881	
5.077	.887	.889	.891	.888	.894	.899	.905	.908	.907	
5.325	.893	.895	.897	.894	.916	.918	.927	.928	.927	
5.821	.935	.936	.936	.932	.938	.945	.953	.954	.952	
6.566					.960	.959	.965	.965	.963	
7.558	.999	1.001	1.000	.997	.994	.989	.990	.988	.987	
8.550	1.003	1.011	1.012	1.006	1.007	1.006	1.007	1.006	1.000	
9.542	1.005	1.011	1.012	1.008	1.014	1.019	1.021	1.020	1.018	
11.272	1.004	1.008	1.008	1.004	1.008	1.011	1.017	1.018	1.015	
12.008	1.012	1.017	1.015	1.008	1.010	1.011	1.019	1.020	1.017	
12.636	1.005	1.010	1.009	1.005	1.011	1.013	1.021	1.022	1.017	
13.008	1.010	1.013	1.013	1.009	1.010	1.009	1.014	1.014	1.010	
13.256	1.118	1.117	1.109	1.094	1.064	1.034	1.029	1.025	1.020	
13.504	1.247	1.252	1.252	1.264	1.271	1.271	1.280	1.283	1.279	
13.752	1.220	1.226	1.225	1.234	1.250	1.260	1.268	1.270	1.266	
14.000	1.209	1.213	1.212	1.221	1.237	1.249	1.257	1.258	1.253	
14.496	1.170	1.174	1.175	1.181	1.201	1.221	1.232	1.231	1.222	
14.992	1.132	1.134	1.132	1.140	1.151	1.163	1.194	1.196	1.193	

P/PINF

CONFIGURATION 8 ANGLE OF ATTACK 0.00 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.89 DYNAMIC PRESSURE 7.986 STATIC PRESSURE 3.725  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 4.57E+05

X/D	ROLL ANGLE									
	0	15	30	60	90	120	150	165	180	
2.411	1.111	1.122	1.123	1.118	1.117	1.121	1.121	1.119	1.119	1.119
4.733	1.095	1.106	1.108	1.107	1.113	1.116	1.116	1.115	1.116	1.116
6.829	.856	.863	.865	.866	.868	.867	.867	.872	.871	.871
9.077	.887	.892	.896	.894	.896	.895	.895	.902	.899	.899
11.325	.889	.898	.899	.895	.918	.917	.920	.919	.921	.921
13.621	.928	.936	.936	.932	.941	.946	.949	.946	.949	.949
15.966					.962	.960	.965	.963	.963	.963
18.358	.999	1.001	1.003	1.003	.997	.989	.990	.988	.987	.987
20.750	1.003	1.005	1.013	1.015	1.009	1.001	1.007	1.003	.996	.996
23.142	1.035	1.005	1.012	1.014	1.016	1.016	1.022	1.019	1.012	1.012
25.534	.998	1.002	1.006	1.004	1.011	1.014	1.015	1.014	1.011	1.011
27.926	1.010	1.012	1.017	1.010	1.012	1.016	1.017	1.015	1.013	1.013
30.318	1.002	1.009	1.011	1.005	1.013	1.020	1.017	1.014	1.012	1.012
32.710	1.038	1.013	1.017	1.010	1.019	1.016	1.012	1.007	1.007	1.007
35.102	1.083	1.082	1.083	1.082	1.068	1.058	1.055	1.050	1.046	1.046
37.494	1.268	1.272	1.277	1.280	1.272	1.265	1.262	1.259	1.256	1.256
39.886	1.239	1.240	1.245	1.254	1.253	1.253	1.252	1.249	1.249	1.249
42.278	1.223	1.223	1.227	1.238	1.239	1.244	1.241	1.239	1.237	1.237
44.670	1.185	1.187	1.191	1.197	1.204	1.210	1.214	1.209	1.207	1.207
47.062	1.144	1.147	1.148	1.151	1.155	1.152	1.150	1.178	1.180	1.180



X/D	CONFIGURATION		8		ANGLE OF ATTACK		-1.02		MACH NUMBER		1.75	
	TOTAL PRESSURE		19.82		DYNAMIC PRESSURE		7.981		STATIC PRESSURE		3.723	
	TOTAL TEMPERATURE		89.0		REYNOLDS NO.		4.57E+05					
	0	15	30	ROLL ANGLE		120	150	165	180			
				60	90							
2.411	1.138	1.140	1.140	1.132	1.115	1.108	1.106	1.107	1.106			
4.333	1.119	1.124	1.122	1.116	1.112	1.105	1.104	1.103	1.104			
4.829	.872	.875	.874	.868	.866	.863	.866	.866	.866			
5.077	.903	.906	.904	.899	.894	.891	.893	.894	.893			
5.325	.905	.906	.905	.900	.916	.913	.917	.917	.917			
5.821	.939	.941	.940	.934	.938	.944	.949	.949	.949			
6.566					.960	.961	.966	.966	.966			
7.558	1.002	1.005	1.002	.997	.994	.989	.990	.989	.990			
8.550	1.004	1.009	1.015	1.010	1.007	1.004	1.006	1.006	1.006			
9.542	1.007	1.011	1.012	1.010	1.014	1.015	1.020	1.020	1.020			
11.272	1.004	1.006	1.005	1.004	1.008	1.010	1.014	1.015	1.014			
12.098	1.020	1.022	1.020	1.011	1.011	1.011	1.015	1.016	1.015			
12.636	1.012	1.015	1.013	1.007	1.011	1.013	1.016	1.016	1.016			
13.008	1.017	1.020	1.019	1.011	1.011	1.010	1.013	1.013	1.013			
13.256	1.058	1.059	1.060	1.062	1.065	1.074	1.090	1.090	1.090			
13.504	1.291	1.299	1.295	1.286	1.270	1.248	1.241	1.240	1.241			
13.752	1.258	1.264	1.262	1.255	1.250	1.240	1.235	1.235	1.235			
14.000	1.238	1.244	1.240	1.236	1.237	1.230	1.225	1.224	1.225			
14.496	1.204	1.208	1.207	1.199	1.201	1.202	1.199	1.198	1.199			
14.992	1.162	1.166	1.163	1.154	1.153	1.171	1.169	1.171	1.169			

CONFIGURATION	8	ANGLE OF ATTACK	-2.03	MACH NUMBER	1.75
TOTAL PRESSURE	19.83	DYNAMIC PRESSURE	7.983	STATIC PRESSURE	3.724
TOTAL TEMPERATURE	89.0	REYNOLDS NO.	4.57E+05		

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CONFIGURATION		8	ANGLE OF ATTACK	12.52	MACH NUMBER	2.00
TOTAL PRESSURE		21.94	DYNAMIC PRESSURE	7.855	STATIC PRESSURE	2.805
TOTAL TEMPERATURE		90.0	REYNOLDS NO.	4.57E+05		

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X/D	CONFIGURATION		8		ANGLE OF ATTACK		10.46		MACH NUMBER		2.00	
	TOTAL PRESSURE		21.95		DYNAMIC PRESSURE		7.857		STATIC PRESSURE		2.806	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.57E+05					
	0	15	30	60	90	120	150	180				
2.411	1.013	.986	.983	.928	.922	1.135	1.361	1.432	1.458			
4.333	1.014	.988	.989	.912	.911	1.123	1.352	1.424	1.453			
4.829	.760	.777	.789	.695	.682	.838	1.019	1.075	1.098			
5.077	.816	.801	.808	.727	.687	.852	1.034	1.092	1.113			
5.325	.826	.816	.813	.741	.689	.848	1.034	1.095	1.116			
5.821	.887	.870	.857	.787	.669	.944	1.039	1.100	1.122			
6.566					.658	.818	1.021	1.088	1.111			
7.558	.977	.911	.893	.891	.720	.801	1.014	1.080	1.106			
8.550	.982	.893	.889	.910	.789	.798	1.010	1.080	1.108			
9.542	.985	.881	.892	.917	.827	.836	1.014	1.087	1.114			
11.272	.960	.899	.932	.929	.847	.862	1.034	1.093	1.123			
12.008	.960	.929	.945	.937	.854	.868	1.036	1.094	1.124			
12.636	.957	.925	.936	.928	.850	.871	1.046	1.107	1.130			
13.006	.962	.932	.938	.932	.848	.861	1.029	1.090	1.115			
13.256	.965	.941	.977	1.011	.854	.843	1.005	1.066	1.091			
13.504	1.338	1.296	1.208	1.152	1.136	1.177	1.400	1.476	1.509			
13.752	1.338	1.248	1.134	1.122	1.096	1.181	1.397	1.474	1.502			
14.000	1.343	1.215	1.094	1.100	1.067	1.185	1.399	1.473	1.500			
14.496	1.140	1.044	1.053	1.076	1.024	1.187	1.396	1.467	1.492			
14.992	1.124	1.010	1.005	1.051	.976	1.161	1.367	1.434	1.458			

CONFIGURATION	8	ANGLE OF ATTACK	8.37	MACH NUMBER	2.00
TOTAL PRESSURE	21.95	DYNAMIC PRESSURE	7.858	STATIC PRESSURE	2.806
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.57E+05		

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## P/PINF

CONFIGURATION 8  
 TOTAL PRESSURE 21.96  
 TOTAL TEMPERATURE 90.0  
 ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.  
 6.26  
 7.859  
 4.57E+05  
 MACH NUMBER  
 STATIC PRESSURE  
 2.00  
 2.806

X/D	ROLL ANGLE					MACH NUMBER				
	0	15	30	60	90	120	150	165	180	
2.411	1.060	1.058	1.047	1.043	1.070	1.161	1.255	1.289	1.295	
4.333	1.053	1.051	1.041	1.025	1.059	1.148	1.244	1.277	1.286	
4.829	.828	.836	.814	.782	.796	.862	.936	.959	.971	
5.077	.855	.850	.840	.807	.816	.882	.956	.980	.993	
5.325	.865	.863	.851	.814	.829	.892	.968	.993	1.006	
5.821	.915	.911	.899	.857	.838	.902	.979	1.004	1.017	
6.566					.855	.900	.975	1.001	1.014	
7.558	.994	.985	.974	.950	.894	.911	.981	1.005	1.019	
8.550	1.005	.993	.980	.968	.919	.931	.997	1.020	1.031	
9.542	1.004	.986	.976	.970	.934	.955	1.019	1.041	1.051	
11.272	1.034	.983	.981	.982	.948	.961	1.028	1.052	1.052	
12.008	1.013	.984	.986	.984	.951	.967	1.024	1.046	1.057	
12.636	.999	.972	.972	.970	.945	.971	1.033	1.058	1.064	
13.008	1.002	.973	.976	.973	.942	.960	1.018	1.041	1.047	
13.256	1.038	.988	1.060	1.077	.943	.936	.993	1.016	1.022	
13.504	1.367	1.293	1.203	1.199	1.256	1.283	1.368	1.397	1.408	
13.752	1.354	1.197	1.175	1.182	1.216	1.279	1.354	1.387	1.400	
14.000	1.226	1.177	1.189	1.178	1.188	1.273	1.346	1.379	1.393	
14.496	1.183	1.153	1.150	1.147	1.158	1.250	1.331	1.364	1.376	
14.992	1.142	1.081	1.089	1.097	1.111	1.208	1.293	1.325	1.337	

# P/PINF

CONFIGURATION 8  
 TOTAL PRESSURE 21.96  
 TOTAL TEMPERATURE 90.0  
 ANGLE OF ATTACK  
 DYNAMIC PRESSURE 7.862  
 REYNOLDS NO. 4.57E+05  
 MACH NUMBER  
 STATIC PRESSURE 2.00  
 2.807

X/D	ROLL ANGLE					MACH NUMBER			
	0	15	30	60	90	120	150	165	180
2.411	1.082	1.083	1.074	1.086	1.106	1.164	1.213	1.231	1.235
4.333	1.074	1.075	1.066	1.070	1.098	1.153	1.202	1.219	1.225
4.829	.847	.848	.830	.819	.833	.868	.900	.923	.927
5.077	.863	.863	.851	.843	.856	.891	.923	.946	.950
5.325	.873	.874	.861	.849	.874	.907	.937	.961	.965
5.821	.919	.917	.906	.891	.892	.925	.955	.977	.983
6.566					.915	.932	.959	.981	.985
7.958	.949	.995	.991	.973	.948	.950	.971	.992	.996
8.550	1.011	1.008	1.001	.987	.966	.973	.999	1.007	1.014
9.542	1.012	1.007	1.001	.988	.978	.994	1.020	1.027	1.034
11.272	1.014	1.006	1.003	.999	.986	.994	1.021	1.040	1.034
12.008	1.017	1.006	1.002	1.002	.989	.998	1.023	1.034	1.041
12.636	1.005	.994	.989	.989	.982	1.001	1.029	1.043	1.046
13.008	1.008	.997	.993	.990	.978	.989	1.016	1.026	1.031
13.256	1.052	1.084	1.101	1.086	.982	.968	.992	1.003	1.006
13.504	1.305	1.254	1.215	1.248	1.292	1.311	1.352	1.367	1.373
13.752	1.251	1.230	1.209	1.225	1.262	1.302	1.339	1.357	1.364
14.000	1.235	1.213	1.198	1.212	1.238	1.292	1.329	1.348	1.354
14.496	1.188	1.173	1.159	1.178	1.207	1.262	1.307	1.327	1.332
14.992	1.135	1.118	1.119	1.127	1.151	1.218	1.261	1.283	1.288



## P/PINF

CONFIGURATION 8 ANGLE OF ATTACK 2.07 MACH NUMBER 2.00  
 TOTAL PRESSURE 21.46 DYNAMIC PRESSURE 7.862 STATIC PRESSURE 2.807  
 TOTAL TEMPERATURE 90.0 REYNOLDS NO. 4.57E+05

X/D	ROLL ANGLE					MACH NUMBER				
	0	15	30	60	90	120	150	165	180	
2.431	1.108	1.109	1.109	1.122	1.132	1.154	1.176	1.179	1.183	
4.333	1.097	1.097	1.096	1.106	1.124	1.145	1.167	1.170	1.176	
4.829	.854	.854	.849	.850	.851	.870	.885	.890	.889	
5.077	.871	.870	.867	.873	.878	.895	.909	.914	.914	
5.323	.878	.876	.873	.876	.892	.913	.920	.935	.934	
5.821	.920	.919	.914	.916	.920	.940	.952	.957	.957	
6.566	.997	.994	.996	.990	.990	.993	.992	.967	.966	
7.558	.997	.994	.996	.990	.977	.974	.981	.985	.985	
8.550	1.010	1.008	1.008	.999	.996	.993	1.000	1.006	1.005	
9.542	1.013	1.010	1.011	1.001	1.008	1.016	1.019	1.024	1.023	
11.272	1.013	1.016	1.012	1.009	1.011	1.013	1.021	1.025	1.023	
12.008	1.016	1.017	1.013	1.014	1.014	1.018	1.024	1.026	1.027	
12.636	1.009	1.006	1.001	1.001	1.007	1.018	1.029	1.032	1.033	
13.008	1.008	1.008	1.004	1.000	1.003	1.008	1.016	1.019	1.020	
13.256	1.007	1.102	1.097	1.061	1.015	.992	.998	.999	1.000	
13.504	1.256	1.263	1.264	1.283	1.301	1.312	1.331	1.334	1.337	
13.752	1.243	1.253	1.252	1.263	1.285	1.306	1.323	1.324	1.329	
14.000	1.236	1.242	1.240	1.243	1.265	1.293	1.311	1.313	1.318	
14.496	1.193	1.198	1.199	1.209	1.234	1.262	1.282	1.286	1.290	
14.992	1.141	1.146	1.148	1.158	1.176	1.219	1.236	1.239	1.242	

V/PINF

CONFIGURATION 8  
TOTAL PRESSURE 21.96  
TOTAL TEMPERATURE 90.0  
ANGLE OF ATTACK  
DYNAMIC PRESSURE  
REYNOLDS NO.  
1.04  
7.860  
4.57E+05  
MACH NUMBER  
STATIC PRESSURE  
2.00  
2.606

X/D	ROLL ANGLE				
	0	15	30	60	90
2.411	1.125	1.128	1.126	1.137	1.139
4.333	1.112	1.110	1.112	1.119	1.131
4.829	.852	.861	.855	.859	.864
5.077	.879	.875	.877	.882	.888
5.325	.881	.883	.879	.886	.910
5.821	.922	.924	.919	.923	.933
6.563					.955
7.556	.992	.996	.996	.996	.989
8.530	1.005	1.010	1.008	1.006	1.004
9.542	1.009	1.013	1.012	1.007	1.015
11.272	1.008	1.013	1.014	1.010	1.017
12.008	1.015	1.019	1.018	1.018	1.019
12.636	1.004	1.009	1.005	1.004	1.019
13.008	1.006	1.010	1.008	1.005	1.021
13.256	1.082	1.080	1.073	1.055	1.012
13.504	1.279	1.282	1.284	1.293	1.025
13.752	1.269	1.272	1.272	1.283	1.299
14.000	1.255	1.256	1.256	1.261	1.291
14.496	1.213	1.214	1.216	1.222	1.273
14.992	1.150	1.160	1.162	1.172	1.240
					1.182
					1.150
					1.142
					.669
					.871
					.896
					.917
					.944
					.957
					.978
					.979
					1.006
					1.023
					1.021
					1.025
					1.031
					1.017
					1.006
					1.316
					1.310
					1.298
					1.269
					1.222
					1.216
					1.260
					1.292
					1.303
					1.301
					1.005
					1.012
					1.016
					1.027
					1.023
					1.021
					1.018
					1.018
					1.002
					.984
					.964
					.951
					.924
					.902
					.876
					1.151
					1.157

P/PINF

CONFIGURATION 8  
 TOTAL PRESSURE 21.95  
 TOTAL TEMPERATURE 90.0  
 ANGLE OF ATTACK 0.00  
 DYNAMIC PRESSURE 7.858  
 REYNOLDS NO. 4.57E+05  
 MACH NUMBER 2.00  
 STATIC PRESSURE 2.806

X/D	ROLL ANGLE				ROLL ANGLE				ROLL ANGLE			
	0	15	30	60	90	120	150	165	180	150	165	180
2.411	1.142	1.138	1.146	1.146	1.143	1.141	1.143	1.141	1.141	1.143	1.141	1.141
4.333	1.129	1.125	1.131	1.130	1.132	1.134	1.136	1.137	1.137	1.136	1.137	1.137
4.829	.866	.863	.868	.864	.866	.866	.866	.867	.867	.866	.867	.866
5.077	.887	.885	.889	.889	.890	.891	.892	.891	.891	.892	.891	.890
5.325	.886	.886	.891	.890	.912	.911	.914	.916	.916	.914	.916	.914
5.821	.924	.922	.927	.927	.936	.943	.945	.947	.947	.945	.947	.945
6.566					.959	.961	.961	.961	.961	.961	.961	.960
7.358	.997	.997	.997	.999	.992	.984	.984	.983	.983	.984	.983	.982
8.550	1.009	1.010	1.010	1.009	1.006	1.005	1.005	1.004	1.005	1.005	1.004	1.005
9.542	1.014	1.014	1.013	1.009	1.018	1.024	1.023	1.021	1.022	1.023	1.021	1.022
11.272	1.010	1.011	1.015	1.012	1.020	1.020	1.019	1.018	1.018	1.019	1.018	1.018
12.008	1.021	1.019	1.021	1.022	1.022	1.021	1.023	1.023	1.023	1.023	1.023	1.023
12.636	1.039	1.007	1.007	1.005	1.016	1.023	1.026	1.028	1.028	1.026	1.028	1.028
13.008	1.012	1.010	1.011	1.008	1.011	1.015	1.017	1.017	1.017	1.017	1.017	1.017
13.256	1.052	1.052	1.051	1.045	1.029	1.020	1.021	1.020	1.020	1.021	1.020	1.020
13.504	1.305	1.306	1.310	1.308	1.298	1.289	1.291	1.291	1.291	1.291	1.291	1.292
13.752	1.291	1.295	1.294	1.291	1.290	1.291	1.292	1.292	1.292	1.292	1.292	1.288
14.000	1.270	1.273	1.272	1.269	1.274	1.280	1.281	1.282	1.282	1.281	1.282	1.277
14.496	1.230	1.232	1.234	1.235	1.242	1.249	1.250	1.251	1.251	1.250	1.251	1.245
14.992	1.176	1.178	1.180	1.184	1.184	1.209	1.208	1.207	1.207	1.208	1.207	1.202

CONFIGURATION	8	ANGLE OF ATTACK	-1.03	MACH NUMBER	2.00
TOTAL PRESSURE	21.93	DYNAMIC PRESSURE	7.858	STATIC PRESSURE	2.906
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.57E+05		

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[illegible]

CONFIGURATION	8	ANGLE OF ATTACK	-4.14	MACH NUMBER	2.00
TOTAL PRESSURE	21.94	DYNAMIC PRESSURE	7.855	STATIC PRESSURE	2.805
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.57E+05		

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3418/4

CONFIGURATION	8	ANGLE OF ATTACK	10.57	MACH NUMBER	3.00
TOTAL PRESSURE	36.22	DYNAMIC PRESSURE	6.212	STATIC PRESSURE	.986
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.57E+05		

X/D	ROLL ANGLE								
	0	15	30	60	90	120	150	165	180
2.411	.948	.879	.886	.782	.847	1.309	1.756	1.884	1.941
4.333	.951	.882	.884	.760	.838	1.292	1.745	1.875	1.929
4.829	.654	.675	.692	.547	.576	.888	1.205	1.303	1.340
5.077	.662	.670	.668	.548	.555	.884	1.212	1.308	1.350
5.325	.687	.655	.663	.552	.556	.885	1.217	1.317	1.351
5.821	.717	.684	.670	.572	.524	.870	1.205	1.303	1.342
6.566					.496	.828	1.166	1.264	1.305
7.558	.849	.717	.630	.637	.498	.795	1.134	1.237	1.276
8.550	.862	.669	.602	.685	.576	.792	1.133	1.238	1.279
9.542	.861	.646	.591	.729	.641	.760	1.116	1.224	1.269
11.272	.855	.704	.700	.753	.706	.741	1.102	1.213	1.254
12.008	.843	.726	.758	.757	.716	.737	1.107	1.221	1.262
12.636	.828	.753	.778	.763	.703	.738	1.104	1.214	1.252
13.008	.824	.769	.786	.769	.697	.717	1.074	1.184	1.227
13.256	.819	.772	.794	.801	.716	.706	1.046	1.153	1.190
13.504	1.317	1.225	1.103	1.044	.991	1.099	1.637	1.797	1.861
13.752	1.343	1.220	1.073	1.036	.982	1.132	1.652	1.814	1.876
14.000	1.364	1.193	.996	1.024	.958	1.147	1.664	1.824	1.888
14.496	1.363	1.100	.894	.985	.920	1.166	1.687	1.839	1.899
14.992	1.340	.976	.841	.946	.882	1.175	1.661	1.811	1.871



## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		8.36		MACH NUMBER		3.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		6.213		STATIC PRESSURE		.986	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.57E+05					
	0	15	30	ROLL ANGLE		120	150	165	180	
				60	90					
2.411	1.001	.980	.971	.893	.965	1.273	1.580	1.683	1.722	
4.333	.993	.979	.968	.877	.960	1.266	1.587	1.688	1.727	
4.829	.731	.763	.739	.628	.665	.874	1.091	1.164	1.190	
5.077	.740	.731	.718	.621	.647	.865	1.091	1.165	1.193	
5.325	.725	.721	.718	.622	.650	.862	1.098	1.171	1.197	
5.821	.771	.758	.746	.650	.624	.856	1.090	1.163	1.192	
6.566					.596	.823	1.057	1.133	1.162	
7.558	.887	.827	.802	.758	.572	.796	1.039	1.114	1.144	
8.550	.908	.816	.800	.790	.604	.786	1.038	1.118	1.148	
9.542	.920	.792	.781	.812	.667	.760	1.025	1.107	1.139	
11.272	.935	.788	.783	.843	.766	.750	1.014	1.101	1.132	
12.008	.931	.795	.802	.855	.792	.750	1.018	1.107	1.141	
12.636	.899	.793	.809	.852	.795	.766	1.016	1.102	1.133	
13.008	.902	.803	.823	.851	.790	.764	.989	1.075	1.110	
13.256	.911	.827	.863	.894	.798	.761	.965	1.049	1.079	
13.504	1.424	1.252	1.135	1.130	1.134	1.194	1.513	1.638	1.686	
13.752	1.447	1.224	1.089	1.132	1.115	1.234	1.532	1.655	1.703	
14.000	1.459	1.172	1.037	1.104	1.092	1.251	1.543	1.661	1.710	
14.496	1.413	1.007	1.010	1.057	1.054	1.269	1.566	1.676	1.719	
14.992	1.211	.940	1.019	1.032	1.008	1.261	1.552	1.651	1.694	

CONFIGURATION	8	ANGLE OF ATTACK	6.23	MACH NUMBER	3.00
TOTAL PRESSURE	36.23	DYNAMIC PRESSURE	6.213	STATIC PRESSURE	.986
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.57E+05		

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## P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		ROLL ANGLE		4.14		MACH NUMBER		3.00
	TOTAL PRESSURE		36.21		DYNAMIC PRESSURE				6.212		STATIC PRESSURE		
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.				4.57E+05				
	0	15	30	60	90	120	150	165	180				
2.411	1.091	1.089	1.086	1.089	1.148	1.249	1.356	1.387	1.402				
4.333	1.088	1.082	1.076	1.081	1.147	1.254	1.362	1.395	1.410				
4.829	.841	.833	.810	.783	.807	.876	.940	.965	.974				
5.077	.818	.809	.791	.763	.789	.861	.931	.955	.969				
5.325	.796	.796	.786	.760	.803	.873	.946	.969	.977				
5.821	.831	.829	.821	.754	.806	.878	.948	.971	.983				
6.566					.821	.875	.944	.967	.976				
7.558	.940	.932	.919	.879	.841	.879	.946	.969	.979				
8.550	.963	.958	.948	.910	.867	.895	.954	.980	.988				
9.542	.974	.962	.955	.928	.883	.899	.959	.984	.991				
11.272	.982	.970	.963	.947	.911	.923	.973	.997	1.005				
12.008	.985	.970	.966	.959	.927	.930	.985	1.008	1.018				
12.636	.971	.956	.954	.956	.923	.944	.995	1.013	1.019				
13.008	.968	.954	.952	.948	.924	.931	.976	.976	1.004				
13.256	.989	.988	1.016	1.009	.928	.911	.955	.973	.982				
13.504	1.363	1.288	1.227	1.268	1.312	1.356	1.445	1.480	1.494				
13.752	1.344	1.266	1.253	1.284	1.340	1.397	1.476	1.507	1.520				
14.000	1.323	1.274	1.270	1.277	1.322	1.392	1.477	1.507	1.522				
14.496	1.307	1.247	1.245	1.247	1.280	1.378	1.467	1.497	1.509				
14.992	1.233	1.184	1.193	1.195	1.224	1.334	1.433	1.461	1.477				

CONFIGURATION	8	ANGLE OF ATTACK	2.06	MACH NUMBER	3.00
TOTAL PRESSURE	36.22	DYNAMIC PRESSURE	6.212	STATIC PRESSURE	.226
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.57E+05		

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# P/PINF

CONFIGURATION 8 ANGLE OF ATTACK 0.00 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.22 DYNAMIC PRESSURE 6.212 STATIC PRESSURE .986  
 TOTAL TEMPERATURE 90.0 REYNOLDS NO. 4.57E+05

X/D	ROLL ANGLE					150	165	180
	0	15	30	60	90			
2.411	1.206	1.208	1.206	1.209	1.202	1.206	1.204	1.206
4.333	1.203	1.202	1.203	1.206	1.201	1.195	1.191	1.193
4.829	.867	.870	.872	.872	.866	.859	.859	.860
5.077	.845	.844	.845	.844	.843	.836	.838	.839
5.325	.841	.838	.836	.835	.837	.855	.854	.853
5.821	.868	.868	.868	.866	.873	.879	.878	.878
6.566					.900	.900	.900	.900
7.558	.941	.933	.939	.941	.931	.922	.920	.920
8.550	.960	.960	.964	.959	.954	.948	.948	.948
9.542	.971	.969	.971	.967	.965	.969	.965	.968
11.272	.984	.986	.987	.981	.980	.984	.987	.986
12.008	.995	.995	.997	.995	.995	.994	.996	.996
12.636	.978	.978	.980	.983	.991	1.003	1.003	1.000
13.008	.973	.974	.977	.980	.987	.989	.989	.990
13.296	.999	1.000	1.000	1.007	.994	.981	.981	.981
13.504	1.348	1.348	1.351	1.358	1.345	1.326	1.325	1.325
13.752	1.384	1.386	1.389	1.392	1.389	1.376	1.377	1.375
14.000	1.394	1.393	1.397	1.401	1.402	1.399	1.398	1.400
14.496	1.357	1.356	1.358	1.352	1.369	1.376	1.374	1.373
14.992	1.301	1.301	1.305	1.303	1.302	1.329	1.327	1.329



# P/PINF

CONFIGURATION B ANGLE OF ATTACK -2.05 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.23 DYNAMIC PRESSURE 6.213 STATIC PRESSURE .985  
 TOTAL TEMPERATURE 90.0 REYNOLDS NO. 4.57E+05

	ROLL ANGLE									
	0	15	30	60	90	120	130	145	160	180
X/D										
2.411	1.291	1.289	1.279	1.243	1.186	1.157	1.145	1.143	1.143	1.142
4.333	1.293	1.289	1.277	1.240	1.179	1.143	1.125	1.121	1.121	1.120
4.829	.907	.908	.903	.877	.841	.832	.834	.843	.843	.842
5.077	.853	.890	.884	.859	.825	.808	.809	.814	.814	.817
5.315	.889	.881	.876	.847	.835	.827	.827	.838	.838	.835
5.821	.906	.903	.898	.870	.853	.836	.837	.858	.858	.859
6.156					.875	.877	.889	.889	.889	.889
7.558	.959	.937	.948	.928	.909	.905	.915	.918	.918	.919
8.558	.967	.967	.963	.944	.927	.936	.946	.952	.952	.953
9.342	.974	.972	.966	.947	.938	.953	.967	.972	.972	.970
11.272	.989	.988	.984	.966	.957	.974	.984	.990	.990	.990
12.008	1.033	1.001	.996	.973	.971	.984	.989	.995	.995	1.000
12.636	.983	.981	.976	.963	.970	.990	1.001	1.001	1.001	1.000
13.058	.976	.974	.971	.962	.965	.982	.990	.993	.993	.999
13.236	.980	.980	.986	.982	.969	.983	1.007	1.012	1.012	1.016
13.904	1.429	1.424	1.415	1.388	1.342	1.300	1.276	1.272	1.272	1.272
13.742	1.462	1.461	1.454	1.427	1.387	1.346	1.310	1.303	1.303	1.298
14.050	1.456	1.453	1.443	1.418	1.382	1.358	1.335	1.330	1.330	1.326
14.408	1.411	1.406	1.401	1.376	1.340	1.326	1.303	1.327	1.327	1.324
14.992	1.377	1.375	1.368	1.327	1.281	1.282	1.293	1.284	1.284	1.285



[illegible]

# P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		12.54		MACH NUMBER		4.00	
	TOTAL PRESSURE		57.90		DYNAMIC PRESSURE		4.270		STATIC PRESSURE		.381	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.33E+05					
	0	15	30	60	90	120	150	180				
2.411	.773	.660	.659	.646	.955	1.801	2.688	2.974	3.089			
4.333	.849	.606	.611	.587	.930	1.782	2.650	2.930	3.033			
4.829	.526	.442	.454	.429	.606	1.148	1.702	1.880	1.949			
5.077	.492	.447	.442	.435	.565	1.119	1.669	1.846	1.916			
5.325	.487	.447	.428	.439	.548	1.093	1.654	1.841	1.914			
5.821	.543	.415	.394	.438	.516	1.087	1.665	1.858	1.924			
6.566					.504	1.053	1.626	1.812	1.883			
7.558	.586	.464	.438	.458	.470	1.004	1.566	1.753	1.820			
8.550	.638	.472	.433	.474	.458	.974	1.537	1.721	1.790			
9.542	.621	.481	.445	.484	.465	.965	1.536	1.723	1.794			
11.272	.633	.510	.457	.502	.491	.927	1.496	1.682	1.749			
12.008	.639	.523	.462	.509	.503	.923	1.493	1.683	1.757			
12.636	.637	.520	.462	.506	.507	.917	1.491	1.681	1.752			
13.008	.631	.518	.460	.504	.515	.901	1.467	1.659	1.725			
13.256	.643	.547	.513	.557	.587	.895	1.437	1.615	1.680			
13.504	1.104	.869	.622	.672	.673	1.469	2.405	2.711	2.823			
13.752	1.130	.854	.641	.711	.708	1.565	2.470	2.762	2.867			
14.000	1.136	.814	.619	.737	.722	1.600	2.486	2.774	2.878			
14.496	1.135	.707	.575	.685	.730	1.611	2.507	2.798	2.904			
14.992	1.126	.625	.538	.627	.705	1.623	2.506	2.797	2.899			

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		ROLL ANGLE		180
	TOTAL PRESSURE	8	DYNAMIC PRESSURE	10.39	STATIC PRESSURE	4.00	0	90	
2.411	860	793	784	.731	.968	2.645	0	60	2.645
4.333	.913	.763	.761	.705	.940	2.603	15	90	2.603
4.829	.590	.572	.570	.497	.612	1.681	30	90	1.681
5.077	.575	.567	.551	.502	.574	1.651	45	90	1.651
5.325	.603	.546	.530	.505	.557	1.651	60	90	1.651
5.821	.603	.525	.494	.499	.531	1.645	75	90	1.645
6.566				.514	.962	1.607	90	90	1.607
7.558	.737	.520	.492	.538	.487	1.553	105	90	1.553
8.550	.700	.528	.502	.559	.503	1.537	120	90	1.537
9.542	.723	.555	.518	.580	.540	1.545	135	90	1.545
11.272	.726	.601	.555	.588	.566	1.501	150	90	1.501
12.008	.742	.626	.563	.597	.574	1.508	165	90	1.508
12.636	.737	.622	.556	.595	.577	1.498	180	90	1.498
13.008	.735	.619	.548	.592	.583	1.476	0	0	1.476
13.256	.749	.641	.609	.653	.659	1.443	15	0	1.443
13.504	1.303	1.065	.754	.811	.773	2.425	30	0	2.425
13.752	1.359	1.066	.760	.843	.800	2.480	45	0	2.480
14.000	1.390	1.039	.712	.875	.804	2.496	60	0	2.496
14.496	1.417	.929	.658	.865	.788	2.503	75	0	2.503
14.992	1.435	.819	.621	.807	.747	2.490	90	0	2.490

# P/PINF

CONFIGURATION 8  
 TOTAL PRESSURE 57.90  
 TOTAL TEMPERATURE 90.0  
 ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.  
 8.29  
 4.271  
 4.33E+05  
 MACH NUMBER  
 STATIC PRESSURE  
 4.00  
 .381

X/D	ROLL ANGLE			MACH NUMBER		
	0	15	30	60	90	120
2.411	.961	.931	.837	1.035	1.551	2.193
4.333	.981	.938	.826	1.010	1.519	2.170
4.829	.706	.714	.558	.665	.987	1.415
5.077	.697	.678	.552	.624	.955	1.379
5.325	.683	.656	.565	.605	.937	1.367
5.821	.674	.647	.573	.581	.931	1.366
6.566	.797	.681	.628	.564	.896	1.327
7.558	.811	.639	.650	.542	.855	1.289
8.553	.812	.636	.681	.557	.837	1.281
9.542	.820	.671	.709	.597	.832	1.291
11.272	.822	.700	.718	.641	.791	1.252
12.038	.818	.702	.715	.653	.788	1.256
12.636	.811	.702	.712	.654	.780	1.248
13.038	.825	.745	.771	.654	.766	1.235
13.256	1.431	1.179	.981	.718	.761	1.204
13.504	1.460	1.183	1.015	.919	1.239	2.014
13.752	1.498	1.146	1.039	.978	1.118	2.160
14.030	1.527	1.018	1.018	.994	1.384	2.113
14.496	1.524	.845	1.018	.986	1.392	2.113
14.992			.975	.979	1.398	2.105
						2.160

## P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		6.19		MACH NUMBER		4.00	
	TOTAL PRESSURE		57.90		DYNAMIC PRESSURE		4.270		STATIC PRESSURE		.381	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.33E+05					
	0	15	30	60	90	120	150	180				

CONFIGURATION	8	ANGLE OF ATTACK	4.11	MACH NUMBER	4.00
TOTAL PRESSURE	57.89	DYNAMIC PRESSURE	4.270	STATIC PRESSURE	.381
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.33E+05		

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P/PINF

CONFIGURATION 8 ANGLE OF ATTACK 2.05 MACH NUMBER 4.00  
TOTAL PRESSURE 57.92 DYNAMIC PRESSURE 4.272 STATIC PRESSURE .381  
TOTAL TEMPERATURE 90.0 REYNOLDS NO. 4.33E+05

X/D	ROLL ANGLE									
	0	15	30	60	90	120	150	165	180	
2.411	1.205	1.206	1.216	1.239	1.283	1.357	1.433	1.450	1.461	
4.333	1.220	1.223	1.235	1.276	1.297	1.376	1.441	1.463	1.471	
4.829	.893	.886	.884	.882	.901	.937	.974	.985	.992	
5.077	.851	.849	.842	.837	.855	.889	.926	.932	.940	
5.325	.821	.813	.812	.809	.836	.871	.907	.915	.921	
5.821	.806	.806	.806	.806	.835	.881	.913	.923	.924	
6.566					.857	.885	.918	.926	.932	
7.558	.907	.902	.899	.883	.880	.895	.925	.935	.939	
8.550	.932	.927	.923	.905	.899	.920	.951	.956	.962	
9.542	.952	.953	.946	.927	.923	.943	.970	.977	.981	
11.272	.972	.967	.963	.946	.934	.944	.966	.971	.977	
12.008	.984	.984	.980	.962	.947	.957	.980	.985	.992	
12.636	.978	.974	.970	.953	.944	.955	.978	.984	.990	
13.008	.971	.969	.964	.948	.938	.954	.975	.981	.983	
13.256	1.032	1.028	1.025	.996	.961	.949	.967	.971	.976	
13.504	1.299	1.292	1.296	1.323	1.343	1.379	1.436	1.451	1.459	
13.752	1.323	1.323	1.336	1.377	1.433	1.499	1.560	1.574	1.583	
14.000	1.349	1.361	1.379	1.430	1.492	1.558	1.612	1.624	1.631	
14.496	1.397	1.398	1.408	1.435	1.486	1.549	1.601	1.612	1.619	
14.992	1.380	1.377	1.373	1.387	1.434	1.523	1.584	1.588	1.593	

# P/PINF

CONFIGURATION 8  
 TOTAL PRESSURE 57.91  
 TOTAL TEMPERATURE 90.0  
 ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.  
 1.03  
 4.272  
 4.33E+05  
 MACH NUMBER  
 STATIC PRESSURE  
 4.00  
 .381

X/D	ROLL ANGLE									
	0	15	30	60	90	120	150	165	180	
2.411	1.256	1.257	1.264	1.282	1.295	1.330	1.364	1.377	1.382	
4.333	1.281	1.281	1.295	1.326	1.313	1.345	1.372	1.381	1.385	
4.829	.906	.906	.910	.919	.925	.933	.945	.946	.949	
5.077	.857	.861	.863	.870	.877	.887	.897	.895	.900	
5.325	.829	.828	.832	.840	.854	.865	.876	.877	.879	
5.821	.823	.825	.827	.833	.853	.875	.885	.886	.885	
6.566					.876	.885	.895	.896	.897	
7.558	.912	.907	.909	.905	.904	.902	.912	.914	.914	
8.550	.932	.929	.930	.924	.925	.933	.943	.941	.943	
9.542	.951	.954	.951	.944	.948	.959	.966	.965	.968	
11.272	.971	.968	.968	.958	.957	.962	.967	.965	.968	
12.008	.984	.987	.985	.974	.969	.977	.983	.981	.984	
12.636	.979	.977	.976	.966	.961	.973	.980	.979	.980	
13.008	.972	.972	.970	.959	.960	.972	.980	.977	.977	
13.256	1.025	1.022	1.020	1.004	.983	.973	.978	.974	.976	
13.504	1.320	1.320	1.330	1.349	1.351	1.360	1.382	1.388	1.389	
13.752	1.356	1.360	1.373	1.405	1.432	1.462	1.487	1.490	1.494	
14.000	1.396	1.407	1.421	1.466	1.500	1.538	1.558	1.560	1.564	
14.496	1.449	1.452	1.460	1.483	1.512	1.540	1.560	1.561	1.563	
14.992	1.415	1.419	1.422	1.438	1.463	1.515	1.534	1.536	1.535	



## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER				
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE				
	TOTAL TEMPERATURE		REYNOLDS NO.		4.33E+05				
	0	15	30	60	90	120	150	165	180
2.411	1.318	1.323	1.323	1.319	1.303	1.307	1.312	1.315	1.317
4.333	1.351	1.359	1.362	1.367	1.316	1.312	1.308	1.308	1.310
4.824	.925	.932	.931	.937	.931	.924	.920	.919	.919
5.077	.873	.875	.879	.884	.882	.880	.877	.875	.875
5.325	.850	.850	.853	.856	.855	.856	.853	.852	.850
5.821	.842	.845	.848	.850	.853	.865	.862	.855	.856
6.566					.881	.879	.877	.876	.876
7.558	.919	.918	.918	.918	.911	.902	.903	.902	.902
8.550	.933	.936	.933	.933	.934	.935	.937	.937	.934
9.542	.951	.953	.954	.951	.956	.962	.964	.964	.964
11.272	.970	.970	.968	.964	.965	.967	.969	.967	.967
12.008	.984	.985	.985	.979	.975	.981	.984	.983	.981
12.636	.978	.977	.976	.969	.968	.977	.980	.981	.980
13.008	.972	.971	.971	.963	.965	.976	.980	.979	.977
13.256	1.011	1.009	1.009	1.002	.991	.986	.991	.990	.990
13.504	1.367	1.368	1.368	1.369	1.354	1.336	1.331	1.328	1.329
13.752	1.426	1.429	1.432	1.435	1.429	1.420	1.411	1.407	1.408
14.000	1.484	1.491	1.494	1.500	1.496	1.491	1.482	1.477	1.477
14.496	1.509	1.513	1.514	1.517	1.519	1.516	1.510	1.508	1.508
14.992	1.467	1.470	1.472	1.474	1.474	1.497	1.492	1.488	1.485

CONFIGURATION	8	ANGLE OF ATTACK	MACH NUMBER	
TOTAL PRESSURE	57.91	DYNAMIC PRESSURE	4.271	STATIC PRESSURE
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.33E+05	
				4.00
				.381

X/D	ROLL ANGLE							
	0	15	30	60	90	120	150	180
2.411	1.389	1.390	1.383	1.351	1.301	1.273	1.262	1.258
4.333	1.429	1.436	1.430	1.396	1.306	1.266	1.246	1.242
4.829	.958	.963	.959	.943	.918	.902	.901	.899
5.077	.898	.903	.903	.885	.869	.858	.862	.862
5.325	.881	.879	.880	.866	.848	.837	.836	.831
5.821	.875	.875	.875	.856	.848	.841	.842	.834
6.566					.871	.864	.862	.861
7.550	.932	.932	.929	.918	.901	.887	.896	.895
8.550	.943	.943	.941	.930	.921	.924	.933	.932
9.542	.954	.957	.956	.943	.943	.952	.961	.963
11.272	.970	.971	.967	.956	.954	.958	.969	.969
12.038	.986	.989	.986	.969	.966	.974	.984	.985
12.636	.977	.979	.976	.963	.959	.970	.979	.981
13.008	.973	.973	.971	.956	.957	.969	.981	.977
13.256	1.000	1.000	.997	.987	.980	.949	1.008	1.007
13.504	1.427	1.428	1.424	1.392	1.351	1.312	1.291	1.284
13.752	1.515	1.517	1.510	1.479	1.432	1.390	1.355	1.342
14.030	1.576	1.581	1.578	1.543	1.498	1.452	1.409	1.394
14.496	1.567	1.569	1.565	1.538	1.506	1.477	1.453	1.447
14.992	1.526	1.529	1.525	1.496	1.462	1.458	1.448	1.443

## P/PINF

CONFIGURATION 6  
 TOTAL PRESSURE 97.91  
 TOTAL TEMPERATURE 90.0

ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.

-2.03  
 4.271  
 4.33E+05

MACH NUMBER  
 STATIC PRESSURE

4.00  
 .381

X/D	ROLL ANGLE					150	165	180
	0	15	30	60	90			
2.411	1.475	1.475	1.455	1.382	1.277	1.227	1.203	1.202
4.333	1.521	1.524	1.504	1.424	1.286	1.217	1.186	1.186
4.829	1.053	1.004	.994	.949	.893	.865	.887	.887
5.077	.940	.941	.933	.893	.848	.826	.856	.856
5.325	.922	.921	.915	.873	.825	.808	.826	.824
5.621	.917	.914	.905	.863	.829	.819	.823	.820
6.566					.848	.836	.849	.849
7.558	.959	.956	.946	.909	.872	.864	.890	.891
8.550	.961	.960	.951	.916	.890	.901	.931	.930
9.542	.969	.972	.962	.926	.913	.930	.961	.962
11.272	.980	.979	.968	.936	.927	.943	.969	.969
12.000	.995	.996	.986	.953	.941	.958	.983	.984
12.636	.986	.988	.977	.944	.935	.957	.979	.979
13.008	.981	.980	.972	.938	.933	.957	.981	.978
13.256	1.011	1.000	.993	.963	.953	.977	1.014	1.015
13.504	1.496	1.492	1.475	1.409	1.339	1.288	1.264	1.265
13.752	1.623	1.600	1.581	1.510	1.428	1.363	1.315	1.311
14.000	1.644	1.643	1.633	1.561	1.485	1.422	1.359	1.353
14.496	1.622	1.620	1.607	1.542	1.474	1.429	1.398	1.394
14.992	1.588	1.586	1.571	1.506	1.431	1.407	1.409	1.407

**INDEX**

X/D	CONFIGURATION		0	ANGLE OF ATTACK		ROLL ANGLE				MACH NUMBER		4.00
	TOTAL PRESSURE	TOTAL TEMPERATURE		57.91	DYNAMIC PRESSURE	60	90	120	150	165	180	
	90.0											
2.411	1.688	1.677	1.626	1.437	1.212	1.114	1.115	1.120	1.121			
4.333	1.732	1.723	1.668	1.466	1.209	1.101	1.097	1.101	1.102			
4.829	1.117	1.109	1.074	.967	.822	.769	.809	.851	.865			
5.077	1.054	1.049	1.010	.905	.781	.734	.795	.834	.844			
5.325	1.039	1.032	1.001	.882	.763	.725	.784	.810	.814			
5.621	1.031	1.023	.990	.870	.758	.747	.793	.800	.798			
6.566					.760	.767	.812	.823	.825			
7.558	1.049	1.039	1.004	.885	.772	.791	.851	.865	.872			
8.555	1.035	1.025	.991	.869	.780	.832	.889	.904	.912			
9.542	1.037	1.030	.993	.869	.802	.869	.915	.932	.942			
11.272	1.031	1.020	.982	.862	.830	.892	.918	.932	.946			
12.000	1.042	1.036	.996	.876	.850	.906	.930	.943	.959			
12.636	1.032	1.022	.984	.873	.853	.906	.923	.935	.953			
13.038	1.025	1.015	.979	.867	.850	.907	.925	.934	.949			
13.256	1.037	1.027	.993	.880	.871	.948	.966	.956	.942			
13.504	1.648	1.630	1.573	1.379	1.257	1.190	1.167	1.262	1.339			
13.752	1.747	1.732	1.675	1.488	1.349	1.258	1.214	1.270	1.371			
14.030	1.764	1.756	1.703	1.520	1.374	1.300	1.276	1.288	1.374			
14.496	1.745	1.732	1.683	1.508	1.342	1.299	1.309	1.318	1.382			
14.992	1.727	1.713	1.661	1.484	1.312	1.291	1.304	1.305	1.389			

## P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		12.38	MACH NUMBER		4.50	
	TOTAL PRESSURE		72.12		DYNAMIC PRESSURE		3.532	STATIC PRESSURE		.249	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.20E+05				
	0	15	30	ROLL ANGLE		60	90	120	150	165	180
2.411	.745	.661	.648	.614	1.059	.614	1.059	2.054	3.135	3.453	3.563
4.333	.794	.617	.605	.557	1.039	.557	1.039	2.044	3.107	3.445	3.565
4.829	.495	.447	.453	.404	.673	.404	.673	1.306	1.969	2.173	2.230
5.077	.478	.450	.437	.415	.615	.415	.615	1.250	1.909	2.104	2.171
5.325	.465	.444	.418	.425	.600	.425	.600	1.217	1.882	2.082	2.157
5.821	.498	.418	.380	.413	.556	.413	.556	1.190	1.854	2.053	2.139
6.566					.542		.542	1.148	1.797	1.997	2.074
7.558	.536	.463	.419	.442	.504	.442	.504	1.102	1.755	1.966	2.037
8.550	.530	.473	.419	.456	.491	.456	.491	1.092	1.743	1.938	2.011
9.542	.553	0.000	.438	.468	.482	.468	.482	1.074	1.736	1.935	2.009
11.272	.565	.516	.447	.488	.464	.488	.464	1.038	1.715	1.925	1.997
12.008	.570	.523	.453	.489	.467	.489	.467	1.035	1.714	1.925	1.996
12.636	.549	.518	.454	.494	.468	.494	.468	1.019	1.683	1.882	1.956
13.098	.543	.514	.446	.498	.472	.498	.472	.989	1.645	1.850	1.930
13.256	.572	.552	.514	.554	.540	.554	.540	1.003	1.623	1.817	1.878
13.504	.925	.841	.597	.634	.668	.634	.668	1.636	2.765	3.125	3.245
13.752	.942	.845	.621	.680	.753	.680	.753	1.798	2.909	3.259	3.379
14.000	.943	.819	.619	.694	.794	.694	.794	1.857	2.957	3.300	3.416
14.496	.936	.743	.589	.666	.824	.666	.824	1.874	2.981	3.321	3.442
14.992	.917	.672	.543	.615	.798	.615	.798	1.876	2.945	3.275	3.421

P/PINF

X/D	CONFIGURATION			ANGLE OF ATTACK			MACH NUMBER		
	TOTAL PRESSURE			DYNAMIC PRESSURE			STATIC PRESSURE		
	TOTAL TEMPERATURE			REYNOLDS NO.					
	0	15	30	60	90	120	150	165	180
2.411	.840	.777	.773	.714	1.058	1.874	2.698	2.942	3.024
4.333	.875	.749	.744	.686	1.039	1.866	2.686	2.937	3.028
4.829	.564	.559	.559	.494	.673	1.186	1.699	1.850	1.909
5.077	.556	.549	.531	.490	.617	1.126	1.637	1.781	1.832
5.325	.562	.530	.507	.500	.597	1.092	1.596	1.745	1.798
5.821	.573	.497	.461	.485	.558	1.064	1.575	1.723	1.787
6.566					.546	1.041	1.540	1.691	1.743
7.558	.651	.524	.498	.516	.514	1.002	1.509	1.669	1.719
8.550	.640	.540	.500	.544	.506	.989	1.496	1.645	1.698
9.542	.669	.566	.519	.550	.508	.968	1.489	1.641	1.696
11.272	.677	.594	.524	.563	.516	.934	1.466	1.628	1.682
12.008	.698	.611	.525	.563	.527	.926	1.465	1.627	1.679
12.636	.676	.609	.524	.570	.536	.912	1.446	1.593	1.644
13.008	.669	.607	.515	.573	.549	.885	1.402	1.560	1.622
13.256	.685	.640	.586	.636	.628	.891	1.383	1.534	1.580
13.504	1.189	1.054	.681	.743	.723	1.456	2.345	2.628	2.717
13.752	1.214	1.065	.703	.795	.787	1.621	2.502	2.773	2.863
14.000	1.228	1.035	.685	.820	.817	1.676	2.555	2.821	2.907
14.496	1.228	.934	.651	.816	.833	1.691	2.563	2.829	2.918
14.992	1.200	.833	.621	.747	.802	1.690	2.527	2.781	2.893

## P/PINF

CONFIGURATION		8		ANGLE OF ATTACK		8.23		M. CH NUMBER		4.50					
TOTAL PRESSURE		72.14		DYNAMIC PRESSURE		3.533		STATIC PRESSURE		.249					
TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.20E+05									
X/D	0	ROLL ANGLE		60		90		120		150		165		180	
		15	30	60	90	120	150	165	180	210	240	270	300	330	360
2.411	.948	.912	.902	.835	1.097	1.719	2.315	2.503	2.556						
4.333	.970	.924	.908	.818	1.084	1.710	2.312	2.498	2.555						
4.829	.687	.700	.674	.551	.709	1.090	1.463	1.973	1.612						
5.077	.675	.665	.634	.539	.647	1.023	1.392	1.495	1.530						
5.325	.665	.639	.610	.557	.623	.993	1.359	1.464	1.500						
5.821	.651	.618	.581	.558	.589	.966	1.340	1.450	1.404						
6.566	.763	.634	.603	.599	.593	.951	1.320	1.433	1.472						
7.558	.752	.626	.610	.624	.572	.923	1.296	1.411	1.447						
8.550	.751	.645	.626	.637	.585	.911	1.287	1.394	1.436						
9.542	.786	.678	.653	.654	.614	.892	1.286	1.396	1.439						
11.272	.793	.693	.666	.658	.624	.860	1.265	1.385	1.429						
12.008	.792	.696	.668	.661	.628	.850	1.265	1.385	1.426						
12.636	.785	.691	.659	.654	.631	.836	1.239	1.359	1.397						
13.008	.812	.733	.740	.729	.712	.812	1.209	1.329	1.363						
13.256	1.399	1.186	.898	.871	.844	.819	1.192	1.306	1.344						
13.564	1.466	1.211	.933	.927	.919	1.329	2.006	2.222	2.294						
13.752	1.503	1.184	.906	.959	.951	1.493	2.175	2.301	2.450						
14.000	1.539	1.080	.841	.967	.959	1.549	2.226	2.430	2.495						
14.496	1.544	.940	.795	.911	.940	1.563	2.233	2.433	2.500						
14.992						1.564	2.205	2.395	2.474						

# P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		6.16		MACH NUMBER		4.50	
	TOTAL PRESSURE		72.14		DYNAMIC PRESSURE		3.533		STATIC PRESSURE		.279	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.20E+05					
			ROLL ANGLE									
	0	15	30	60	90	120	150	165	180			
2.411	1.054	1.037	1.019	.988	1.188	1.608	2.002	2.140	2.166			
4.333	1.067	1.052	1.035	1.011	1.185	1.590	1.985	2.103	2.135			
4.829	.812	.784	.738	.679	.777	1.025	1.265	1.335	1.360			
5.077	.781	.750	.707	.629	.719	.954	1.195	1.262	1.279			
5.325	.767	.733	.702	.626	.693	.927	1.165	1.235	1.257			
5.821	.746	.718	.692	.637	.665	.908	1.156	1.228	1.252			
6.566					.666	.904	1.150	1.225	1.251			
7.558	.814	.764	.721	.691	.652	.884	1.126	1.201	1.224			
8.550	.849	.774	.750	.714	.646	.876	1.127	1.196	1.222			
9.542	.875	.787	.776	.738	.656	.861	1.131	1.207	1.231			
11.272	.884	.790	.784	.772	.691	.835	1.117	1.198	1.229			
12.008	.892	.790	.784	.781	.712	.828	1.117	1.202	1.230			
12.636	.881	.788	.782	.789	.722	.816	1.095	1.180	1.205			
13.008	.871	.775	.775	.778	.717	.797	1.071	1.155	1.182			
13.256	.906	.840	.867	.856	.788	.806	1.062	1.139	1.162			
13.504	1.454	1.220	1.011	1.054	1.043	1.283	1.745	1.894	1.941			
13.752	1.509	1.207	1.052	1.108	1.151	1.456	1.924	2.068	2.116			
14.000	1.540	1.143	1.052	1.124	1.194	1.517	1.980	2.120	2.164			
14.496	1.525	1.032	1.051	1.118	1.198	1.533	1.985	2.124	2.167			
14.992	1.411	1.055	1.069	1.096	1.160	1.535	1.960	2.092	2.144			



## P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		4.10		MACH NUMBER		4.50	
	TOTAL PRESSURE		72.13		DYNAMIC PRESSURE		3.533		STATIC PRESSURE		.249	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.20E+05					
	0	15	30	60	90	120	150	180				

P/PINF

CONFIGURATION	8	ANGLE OF ATTACK	2.04	MACH NUMBER	4.50
TOTAL PRESSURE	72.14	DYNAMIC PRESSURE	3.573	STATIC PRESSURE	.249
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.20E+05		

	0	15	30	60	90	120	150	165	180
X/D									
2.411	1.236	1.235	1.248	1.285	1.353	1.446	1.531	1.556	1.571
4.333	1.266	1.276	1.286	1.322	1.349	1.441	1.521	1.548	1.555
4.829	.927	.921	.919	.912	.922	.974	1.024	1.035	1.045
5.077	.881	.870	.863	.845	.867	.906	.959	.966	.975
5.325	.853	.838	.834	.826	.840	.882	.926	.937	.946
5.821	.816	.804	.803	.806	.828	.875	.922	.932	.940
6.566					.863	.900	.933	.942	.951
7.558	.899	.886	.883	.875	.885	.907	.929	.942	.943
8.550	.925	.922	.919	.903	.904	.928	.956	.960	.968
9.542	.959	.953	.949	.922	.922	.947	.984	.992	.995
11.272	.978	.975	.969	.947	.936	.959	.995	1.005	1.015
12.008	.987	.981	.977	.955	.951	.969	1.005	1.014	1.021
12.636	.984	.980	.979	.958	.952	.962	.993	1.004	1.009
13.008	.968	.963	.956	.943	.939	.952	.980	.990	.998
13.256	1.045	1.038	1.034	1.005	.976	.968	.987	.995	.998
13.504	1.297	1.292	1.296	1.326	1.354	1.391	1.447	1.471	1.481
13.752	1.336	1.337	1.348	1.397	1.464	1.538	1.606	1.628	1.641
14.000	1.370	1.372	1.387	1.445	1.543	1.630	1.703	1.724	1.732
14.296	1.426	1.432	1.445	1.487	1.564	1.645	1.714	1.738	1.745
14.992	1.441	1.436	1.429	1.450	1.513	1.621	1.690	1.712	1.730

## P/PINF

CONFIGURATION 8 ANGLE OF ATTACK 1.02 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.13 DYNAMIC PRESSURE 3.533 STATIC PRESSURE "249  
 TOTAL TEMPERATURE 90.0 REYNOLDS NO. 4.20E+05

X/D	ROLL ANGLE					120	150	165	180
	0	15	30	45	90				
2.471	1.301	1.300	1.311	1.328	1.365	1.407	1.440	1.454	1.455
4.333	1.344	1.342	1.353	1.377	1.364	1.405	1.441	1.453	1.454
4.829	.942	.945	.946	.949	.949	.970	.990	.991	.997
5.077	.892	.885	.886	.884	.895	.907	.926	.925	.931
5.325	.850	.850	.856	.862	.862	.878	.893	.897	.899
5.821	.820	.822	.823	.830	.848	.869	.885	.888	.893
6.566					.884	.898	.900	.901	.902
7.556	.900	.897	.899	.902	.911	.910	.906	.909	.907
8.550	.929	.929	.927	.927	.933	.935	.940	.937	.943
9.542	.962	.955	.955	.944	.953	.960	.974	.975	.976
11.272	.979	.977	.976	.967	.965	.975	.984	.990	.998
12.008	.990	.984	.983	.972	.979	.984	1.001	1.002	1.000
12.636	.987	.986	.983	.976	.970	.981	.990	.993	.999
13.008	.970	.967	.964	.959	.966	.970	.980	.982	.994
13.256	1.039	1.031	1.031	1.014	1.004	.997	.996	.996	1.001
13.504	1.323	1.323	1.333	1.355	1.367	1.372	1.388	1.397	1.398
13.752	1.375	1.377	1.388	1.428	1.444	1.495	1.518	1.524	1.520
14.000	1.423	1.421	1.436	1.479	1.546	1.591	1.621	1.629	1.620
14.496	1.496	1.502	1.510	1.540	1.584	1.628	1.655	1.664	1.665
14.992	1.500	1.496	1.498	1.512	1.546	1.608	1.630	1.643	1.654

# P/PINF

CONFIGURATION		8		ANGLE OF ATTACK		0.00		MACH NUMBER		4.50	
TOTAL PRESSURE		72.13		DYNAMIC PRESSURE		3.533		STATIC PRESSURE		.249	
TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.20E+05					
X/D	0	15		ROLL ANGLE		120		150		165	
		30		60		90		180			
2.411	1.382	1.379	1.384	1.384	1.371	1.362	1.363	1.357	1.357	1.357	1.357
4.333	1.426	1.426	1.427	1.424	1.366	1.365	1.370	1.370	1.370	1.370	1.370
4.829	.969	.969	.969	.970	.956	.959	.960	.954	.954	.960	.960
5.077	.909	.902	.904	.902	.904	.901	.904	.900	.900	.901	.901
5.325	.869	.869	.876	.875	.869	.871	.867	.865	.865	.867	.867
5.821	.845	.847	.847	.849	.854	.858	.857	.854	.854	.862	.862
6.556	.916	.907	.915	.922	.888	.882	.875	.872	.872	.870	.870
7.558	.934	.934	.936	.940	.917	.899	.890	.887	.887	.887	.887
8.550	.963	.958	.961	.954	.940	.932	.932	.926	.926	.931	.931
9.542	.981	.980	.979	.973	.960	.960	.968	.968	.968	.970	.970
11.272	.990	.985	.986	.977	.972	.979	.986	.985	.985	.991	.991
12.008	.982	.982	.981	.980	.986	.989	.998	.997	.997	.999	.999
12.636	.969	.967	.967	.965	.980	.988	.988	.989	.989	.991	.991
13.008	1.023	1.018	1.021	1.015	.972	.976	.982	.981	.981	.989	.989
13.256	1.372	1.374	1.377	1.379	1.010	1.007	1.011	1.010	1.010	1.011	1.011
13.504	1.449	1.451	1.454	1.465	1.372	1.346	1.333	1.328	1.328	1.326	1.326
13.752	1.523	1.519	1.523	1.528	1.464	1.446	1.430	1.420	1.420	1.422	1.422
14.000	1.590	1.595	1.591	1.593	1.543	1.531	1.515	1.506	1.506	1.504	1.504
14.496	1.567	1.568	1.567	1.565	1.597	1.591	1.580	1.570	1.570	1.575	1.575
14.992					1.559	1.570	1.577	1.574	1.574	1.583	1.583

## P/PYMF

CONFIGURATION 8  
 TOTAL PRESSURE 72.13  
 TOTAL TEMPERATURE 90.0  
 ANGLE OF ATTACK -1.01  
 DYNAMIC PRESSURE 3.533  
 REYNOLDS NO. 4.20E+05  
 MACH NUMBER 4.50  
 STATIC PRESSURE .249

X/O	ROLL ANGLE				ROLL ANGLE				ROLL ANGLE			
	0	15	30	60	90	120	150	165	180	165	150	180
2.411	1.484	1.477	1.468	1.429	1.362	1.315	1.277	1.269	1.270			
4.333	1.524	1.522	1.513	1.467	1.359	1.323	1.298	1.291	1.289			
4.829	1.008	1.007	1.003	.981	.944	.935	.935	.931	.936			
5.077	.937	.930	.928	.907	.890	.877	.885	.885	.887			
5.325	.901	.905	.900	.885	.857	.847	.848	.850	.851			
5.821	.881	.880	.877	.849	.845	.837	.834	.831	.838			
6.566					.877	.863	.853	.850	.851			
7.258	.941	.934	.935	.928	.904	.882	.876	.876	.878			
8.550	.949	.949	.946	.940	.925	.919	.924	.923	.926			
9.542	.973	.967	.965	.951	.945	.947	.963	.966	.968			
11.272	.989	.988	.983	.967	.960	.970	.984	.984	.988			
12.008	.997	.993	.991	.971	.976	.982	.993	.996	.996			
12.636	.986	.990	.987	.976	.976	.980	.986	.988	.990			
13.008	.973	.973	.968	.958	.963	.970	.981	.981	.987			
13.256	1.012	1.010	1.010	1.000	.999	1.010	1.024	1.027	1.026			
13.534	1.446	1.444	1.441	1.411	1.368	1.317	1.289	1.284	1.281			
13.752	1.558	1.555	1.548	1.514	1.466	1.411	1.368	1.354	1.352			
14.000	1.654	1.643	1.633	1.590	1.448	1.406	1.434	1.418	1.414			
14.496	1.677	1.692	1.666	1.632	1.587	1.540	1.497	1.484	1.481			
14.992	1.651	1.649	1.638	1.598	1.540	1.486	1.412	1.312	1.315			

P/PINP

CONF. GURATION 0  
TOTAL PRESSURE 72.14  
TOTAL TEMPERATURE 90.0

ANGLE OF ATTACK  
DYNAMIC PRESSURE  
REYNOLDS NO.

-2.02 3.533 4.20E+05

MACH NUMBER  
STATIC PRESSURE

4.50 .249

X/D	ROLL ANGLE				ROLL ANGLE			
	0	15	30	60	90	120	150	180
2.411	1.595	1.591	1.565	1.478	1.345	1.255	1.201	1.201
4.333	1.634	1.631	1.602	1.512	1.342	1.276	1.234	1.220
4.629	1.659	1.656	1.644	.996	.919	.892	.906	.922
5.077	.982	.972	.961	.917	.866	.841	.861	.880
5.325	.951	.948	.941	.894	.836	.814	.827	.843
5.621	.928	.927	.915	.867	.824	.811	.813	.822
6.566	.979	.972	.960	.928	.892	.853	.834	.834
7.550	.978	.975	.967	.933	.895	.868	.861	.870
8.550	.997	.989	.979	.942	.910	.891	.913	.923
9.542	1.006	1.005	.991	.953	.926	.903	.906	.966
11.272	1.016	1.009	.996	.957	.942	.967	.983	.985
12.000	1.006	1.002	.988	.961	.943	.963	.977	.994
12.636	.988	.986	.971	.936	.933	.958	.973	.987
13.000	1.019	1.014	1.003	.975	.966	1.000	1.023	.980
13.256	1.530	1.528	1.503	1.431	1.350	1.289	1.261	1.030
13.504	1.672	1.668	1.640	1.556	1.458	1.382	1.333	1.262
13.753	1.756	1.742	1.713	1.625	1.536	1.457	1.394	1.324
14.000	1.756	1.734	1.730	1.643	1.555	1.499	1.442	1.374
14.496	1.733	1.731	1.704	1.617	1.513	1.460	1.419	1.424
14.992						1.468	1.452	1.461

## P/PINF

X/D	CONFIGURATION		8		ANGLE OF ATTACK		-4.07		MACH NUMBER		4.50	
	TOTAL PRESSURE		72.14		DYNAMIC PRESSURE		3.533		STATIC PRESSURE		.249	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.20E+05					
			ROLL ANGLE									
			0	15	30	60	90	120	150	165	180	
2.411	1.361	1.842	1.778	1.555	1.250	1.126	1.115	1.117	1.119			
4.333	1.908	1.888	1.818	1.591	1.269	1.134	1.106	1.113	1.113			
4.829	1.236	1.196	1.149	1.032	.847	.781	.812	.857	.888			
5.077	1.115	1.097	1.059	.943	.795	.734	.789	.836	.857			
5.325	1.087	1.073	1.043	.916	.764	.720	.776	.808	.823			
5.821	1.065	1.054	1.019	.885	.749	.730	.772	.782	.798			
6.566					.755	.748	.786	.796	.805			
7.558	1.098	1.084	1.041	.911	.764	.763	.815	.831	.843			
8.550	1.084	1.071	1.033	.900	.768	.806	.866	.878	.897			
9.542	1.088	1.072	1.032	.893	.782	.848	.899	.917	.936			
11.212	1.088	1.075	1.020	.882	.806	.882	.908	.925	.951			
12.008	1.094	1.072	1.028	.883	.829	.895	.915	.935	.959			
12.636	1.068	1.059	1.011	.873	.834	.894	.907	.926	.951			
13.008	1.055	1.041	.996	.856	.829	.892	.905	.919	.949			
13.256	1.077	1.061	1.019	.887	.870	.957	.976	.977	.977			
13.504	1.734	1.712	1.632	1.387	1.230	1.166	1.142	1.267	1.353			
13.752	1.898	1.877	1.791	1.536	1.347	1.248	1.199	1.293	1.401			
14.000	1.954	1.916	1.835	1.585	1.400	1.309	1.264	1.302	1.411			
14.496	1.941	1.925	1.842	1.604	1.398	1.324	1.320	1.332	1.404			
14.992	1.919	1.901	1.829	1.595	1.371	1.319	1.326	1.342	1.444			





F/PINF

CONFIGURATION 8  
 TOTAL PRESSURE 19.81  
 TOTAL TEMPERATURE 89.0  
 ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.  
 8.37  
 7.978  
 4.57E+05  
 (Minimum Roll Angles)  
 MACH NUMBER  
 STATIC PRESSURE  
 1.75  
 3.721

	360	345	330	300	270	240	210	195	180
X/D									
2.411	1.034	1.024	1.016	.991	1.011	1.117	1.239	1.275	1.290
4.333	1.028	1.020	1.016	.986	1.006	1.114	1.240	1.277	1.292
4.829	.786	.825	.818	.758	.775	.860	.961	.992	.999
5.077	.864	.855	.843	.793	.788	.876	.977	1.010	1.016
5.325	.877	.873	.866	.806	.803	.884	.987	1.018	1.026
5.821	.936	.926	.913	.857	.803	.889	.996	1.027	1.034
6.566					.827	.876	.982	1.015	1.024
7.558	.995	.971	.956	.947	.872	.890	.983	1.016	1.026
8.550	1.001	.956	.949	.951	.899	.932	.997	1.029	1.044
9.542	.998	.948	.951	.955	.909	.947	1.015	1.049	1.062
11.272	.994	.948	.961	.959	.918	.942	1.024	1.054	1.068
12.008	1.005	.966	.965	.959	.922	.947	1.031	1.061	1.073
12.636	.994	.958	.962	.957	.922	.945	1.031	1.059	1.074
13.008	.999	.961	.966	.963	.923	.938	1.020	1.050	1.062
13.256	1.004	.974	1.053	1.075	.944	.921	.998	1.027	1.040
13.504	1.349	1.275	1.175	1.158	1.199	1.228	1.333	1.370	1.387
13.752	1.341	1.176	1.131	1.134	1.156	1.222	1.322	1.361	1.375
14.000	1.187	1.121	1.138	1.133	1.131	1.218	1.314	1.353	1.368
14.496	1.153	1.092	1.087	1.101	1.106	1.199	1.310	1.349	1.368
14.992	1.122	1.035	1.040	1.058	1.058	1.169	1.280	1.316	1.331

X/D	P/PINF									
	CONFIGURATION		8		ANGLE OF ATTACK		0.00		(Minus Roll Angles)	
	TOTAL PRESSURE		36.24		DYNAMIC PRESSURE		6.215		MACH NUMBER	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.57E+05		STATIC PRESSURE	
	360	345	330	ROLL ANGLE		240	210	195	180	
				300	270					
2.411	1.206	1.207	1.205	1.204	1.205	1.206	1.206	1.206	1.206	1.206
4.333	1.203	1.199	1.204	1.204	1.205	1.201	1.196	1.194	1.193	1.193
4.829	.867	.867	.871	.875	.869	.867	.860	.860	.860	.860
5.077	.845	.842	.843	.844	.844	.843	.840	.838	.839	.839
5.325	.841	.837	.835	.838	.862	.859	.855	.852	.853	.853
5.821	.868	.867	.867	.864	.872	.881	.877	.875	.878	.878
6.566					.899	.899	.896	.896	.900	.900
7.558	.941	.941	.944	.944	.934	.924	.921	.920	.920	.920
8.550	.960	.959	.962	.960	.956	.951	.948	.949	.948	.948
9.542	.971	.969	.968	.966	.966	.968	.968	.968	.968	.968
11.272	.984	.983	.983	.981	.981	.984	.984	.986	.986	.986
12.008	.995	.994	.994	.993	.993	.997	.996	.994	.996	.996
12.636	.978	.976	.980	.980	.992	1.003	1.000	.998	1.000	1.000
13.038	.973	.975	.977	.980	.987	.993	.990	.989	.990	.990
13.256	.999	1.001	1.001	1.006	.995	.982	.981	.980	.981	.981
13.504	1.348	1.346	1.348	1.349	1.346	1.339	1.331	1.327	1.325	1.325
13.752	1.384	1.381	1.382	1.382	1.390	1.395	1.383	1.380	1.375	1.375
14.000	1.394	1.390	1.390	1.390	1.402	1.411	1.405	1.398	1.400	1.400
14.496	1.357	1.350	1.350	1.349	1.368	1.386	1.379	1.375	1.373	1.373
14.992	1.301	1.298	1.296	1.293	1.301	1.332	1.329	1.330	1.329	1.329

## P/PINF

X/D	(Minus Roll Angles)												
	CONFIGURATION		8		ANGLE OF ATTACK		8.36		MACH NUMBER		3.00		
	TOTAL PRESSURE	36.24	TOTAL PRESSURE	DYNAMIC PRESSURE	270	240	210	195	180	STATIC PRESSURE	.986		
	TOTAL TEMPERATURE	90.0	REYNOLDS NO.										
				360	345	330	300	ROLL ANGLE					
2.411	1.001	.980	.972	.890	.956	1.274	1.580	1.684	1.722				
4.333	.993	.978	.971	.893	.966	1.280	1.590	1.691	1.727				
4.829	.731	.760	.738	.634	.671	.884	1.096	1.167	1.190				
5.077	.740	.729	.715	.627	.650	.873	1.094	1.168	1.193				
5.325	.725	.719	.715	.629	.657	.878	1.100	1.173	1.197				
5.821	.771	.757	.746	.659	.628	.867	1.093	1.168	1.192				
6.566	.887	.822	.800	.762	.602	.833	1.062	1.137	1.162				
7.558	.908	.807	.790	.791	.575	.803	1.040	1.117	1.144				
8.550	.920	.785	.770	.809	.604	.797	1.041	1.122	1.148				
9.542	.935	.774	.772	.839	.668	.775	1.030	1.111	1.139				
11.272	.931	.793	.790	.852	.773	.755	1.015	1.103	1.132				
12.008	.899	.794	.798	.845	.797	.763	1.023	1.113	1.141				
12.636	.902	.801	.810	.845	.795	.781	1.015	1.102	1.133				
13.008	.911	.822	.856	.885	.791	.784	.996	1.083	1.110				
13.256	1.424	1.242	1.113	1.121	.799	.776	.967	1.049	1.079				
13.504	1.447	1.202	1.062	1.123	1.137	1.223	1.524	1.646	1.686				
13.752	1.459	1.154	1.016	1.095	1.119	1.247	1.533	1.658	1.703				
14.000	1.413	.997	.994	1.047	1.095	1.266	1.546	1.668	1.710				
14.496	1.211	.953	1.010	1.030	1.056	1.289	1.575	1.680	1.719				
14.992					1.009	1.285	1.564	1.662	1.694				

P/PINF

(Minus Roll Angles)

X/D	CONFIGURATION		8	ANGLE OF ATTACK		0.00		MACH NUMBER		4.50	
	TOTAL PRESSURE			72.13	DYNAMIC PRESSURE		3.533	STATIC PRESSURE			.249
	TOTAL TEMPERATURE				90.0	REYNOLDS NO.		4.20E+05			
	360	345	330	300		270	240	210	195	180	
2.411	1.382	1.380	1.375	1.371	1.399	1.381	1.372	1.372	1.357		
4.333	1.426	1.422	1.420	1.416	1.382	1.375	1.373	1.371	1.370		
4.829	.969	.966	.965	.962	.966	.963	.962	.961	.960		
5.077	.909	.898	.898	.897	.906	.909	.904	.903	.901		
5.325	.869	.865	.868	.868	.876	.874	.870	.867	.867		
5.821	.845	.840	.838	.841	.854	.861	.857	.855	.862		
6.566					.893	.880	.874	.873	.870		
7.558	.916	.918	.922	.931	.917	.896	.887	.885	.887		
8.550	.934	.935	.938	.942	.942	.936	.932	.931	.931		
9.542	.963	.955	.955	.953	.961	.966	.969	.970	.970		
11.272	.981	.980	.978	.972	.973	.985	.990	.991	.991		
12.038	.990	.986	.984	.979	.986	.997	.998	.999	.999		
12.636	.982	.984	.983	.983	.985	.989	.990	.990	.991		
13.038	.969	.966	.965	.964	.972	.980	.980	.980	.989		
13.256	1.023	1.022	1.020	1.019	1.011	1.004	1.005	1.010	1.011		
13.504	1.372	1.374	1.374	1.381	1.370	1.354	1.338	1.331	1.326		
13.752	1.449	1.449	1.452	1.458	1.463	1.458	1.438	1.430	1.422		
14.000	1.523	1.516	1.516	1.521	1.541	1.547	1.524	1.513	1.504		
14.496	1.590	1.592	1.589	1.587	1.596	1.594	1.584	1.580	1.575		
14.992	1.567	1.566	1.564	1.565	1.558	1.580	1.576	1.576	1.583		

## P/PINF

X/D	CONFIGURATION				ANGLE OF ATTACK		(Minus Roll Angles)			
	TOTAL PRESSURE		TOTAL TEMPERATURE		DYNAMIC PRESSURE	REYNOLDS NO.	8-24		MACH NUMBER	
	360	345	330	300			240	210	195	180
2.411	.948	.917	.906	.838	1.091	1.712	2.301	2.484	2.556	
4.333	.970	.920	.906	.822	1.090	1.713	2.316	2.489	2.555	
4.829	.687	.699	.674	.552	.708	1.097	1.464	1.570	1.612	
5.077	.675	.658	.631	.539	.646	1.028	1.383	1.490	1.530	
5.325	.665	.635	.613	.554	.629	1.004	1.362	1.462	1.500	
5.821	.651	.613	.582	.558	.588	.974	1.336	1.442	1.484	
6.566	.753	.616	.601	.601	.573	.958	1.322	1.434	1.472	
7.558	.752	.602	.608	.621	.553	.913	1.286	1.400	1.447	
8.550	.751	.609	.617	.636	.558	.912	1.284	1.394	1.436	
9.542	.786	.633	.642	.655	.582	.896	1.281	1.394	1.439	
11.272	.793	.647	.651	.657	.612	.861	1.262	1.386	1.429	
12.008	.792	.651	.659	.659	.621	.854	1.264	1.383	1.426	
12.636	.785	.647	.656	.653	.629	.833	1.235	1.354	1.397	
13.008	.812	.701	.734	.728	.629	.818	1.208	1.328	1.363	
13.256	1.399	1.071	.880	.873	.711	.813	1.185	1.300	1.344	
13.504	1.466	1.066	.918	.928	.848	1.328	2.009	2.214	2.294	
13.752	1.503	1.008	.894	.963	.920	1.477	2.160	2.370	2.450	
14.000	1.539	.903	.837	.969	.952	1.531	2.208	2.417	2.495	
14.496	1.544	.759	.799	.916	.959	1.553	2.227	2.426	2.500	
14.992					.972	1.559	2.199	2.387	2.474	

P/PINF

(Odd Reynolds Number)

CONFIGURATION 8 ANGLE OF ATTACK 0.00 MACH NUMBER 4.50  
 TOTAL PRESSURE 52.13 DYNAMIC PRESSURE 2.553 STATIC PRESSURE .180  
 TOTAL TEMPERATURE 90.0 REYNOLDS NO. 3.02E+05

X/D	ROLL ANGLE				
	0	15	30	60	90
2.411	1.378				180
4.333	1.426				1.357
4.829	.977				1.364
5.077	.909				.960
5.325	.885				.896
5.821	.843				.870
6.566					.862
7.558	.917				.880
8.550	.939				.890
9.542	.961				.937
11.272	.983				.969
12.038	.987				.990
12.636	.984				.997
13.038	.965				.991
13.256	1.034				.982
13.504	1.361				1.029
13.752	1.441				1.315
14.030	1.536				1.423
14.496	1.587				1.504
14.992	1.559				1.576
					1.578



P/PINF  
(Odd Mach Number)

CONFIGURATION 8 ANGLE OF ATTACK 0.00 MACH NUMBER 5.00  
 TOTAL PRESSURE 95.26 DYNAMIC PRESSURE 3.151 STATIC PRESSURE .180  
 TOTAL TEMPERATURE 90.0 REYNOLDS NO. 4.36E+05

ROLL ANGLE  
60 90 120 150 165 180

X/D	0	15	30	60	90	120	150	165	180
2.411	1.514								1.514
4.333	1.609								1.520
4.829	1.075								1.021
5.077	.994								.958
5.325	.947								.932
5.821	.903								.925
6.566									.942
7.558	.989								.957
8.550	1.010								1.006
9.542	1.029								1.041
11.272	1.040								1.054
12.008	1.049								1.067
12.636	1.052								1.062
13.038	1.026								1.036
13.256	1.091								1.085
13.504	1.478								1.466
13.752	1.572								1.590
14.030	1.647								1.686
14.496	1.722								1.745
14.992	1.691								1.728



Table V. Configuration 10 Basic Data  
P/PINF

	CONFIGURATION TOTAL PRESSURE TOTAL TEMPERATURE	10 19.91 89.0	ANGLE OF ATTACK DYNAMIC PRESSURE REYNOLDS NO.		ROLL ANGLE		MACH NUMBER STATIC PRESSURE		1.75 3.739
			60	90	60	90	120	150	
X/D									
2.411	1.025	1.016	1.009	1.012	.982	1.012	1.121	1.248	1.305
4.333	1.027	1.019	1.013	.997	.972	.997	1.099	1.229	1.286
4.829	.785	.827	.815	.768	.756	.789	.849	.952	1.003
5.077				.789		.795	.863	.967	1.019
5.325	.894	.886	.874	.813	.813	.801	.873	.978	1.034
5.821	.942	.931	.922	.851	.851	.830	.874	.982	1.037
6.566				.830		.875	.872	.980	1.036
7.558				.875		.906	.885	.980	1.034
8.550	1.000	.971	.961	.957	.957	.908	.919	.997	1.044
9.542	.989	.945	.952	.953	.953	.914	.929	1.001	1.061
11.512	.994	.951	.962	.956	.956	.913	.930	1.016	1.061
12.008	.991	.953	.960	.953	.953	.922	.933	1.019	1.065
12.256	.995	.960	1.029	1.043	1.043	.922	.929	1.014	1.064
12.504	1.333	1.250	1.161	1.191	1.191	1.191	1.219	1.329	1.390
13.000	1.171	1.106	1.133	1.124	1.124	1.117	1.202	1.307	1.366
13.799	1.145	1.063	1.081	1.090	1.090	1.089	1.173	1.292	1.346
14.171	1.150	1.065	1.087	1.093	1.093	1.097	1.180	1.298	1.348
14.543	.797	.751	.819	.807	.807	.809	.880	.977	1.023
14.791	.818	.794	.860	.844	.844	.814	.875	.970	1.026
15.039	.792	.833	.875	.862	.862	.806	.851	.951	1.001

# P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 6.26 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.89 DYNAMIC PRESSURE 8.011 STATIC PRESSURE 3.736  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 4.59E+05

X/O	ROLL ANGLE					165	180
	0	15	30	60	90		
2.411	1.044	1.043	1.038	1.030	1.060	1.213	1.247
4.333	1.042	1.040	1.037	1.020	1.047	1.199	1.231
4.029	.833	.837	.823	.795	.811	.929	.959
5.077					.835	.946	.978
5.225	.901	.895	.887	.848	.847	.961	.994
5.821	.944	.937	.932	.883	.863	.970	1.001
6.566					.893	.974	1.006
7.550					.929	.985	1.012
8.555	1.007	.998	.986	.979	.951	.999	1.024
9.542	.997	.984	.977	.975	.952	.999	1.039
11.512	1.001	.982	.979	.975	.952	1.014	1.043
12.000	1.001	.980	.981	.975	.951	1.017	1.043
12.256	1.007	1.001	1.064	1.067	.960	1.012	1.041
12.504	1.370	1.260	1.176	1.179	1.235	1.321	1.355
13.000	1.169	1.144	1.156	1.156	1.166	1.292	1.326
13.799	1.143	1.162	1.111	1.117	1.135	1.268	1.300
14.171	1.155	1.109	1.112	1.123	1.140	1.269	1.297
14.543	.830	.794	.859	.822	.845	.957	.980
14.791	.817	.842	.883	.857	.850	.952	.987
15.039	.856	.864	.881	.876	.862	.933	.964

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		1.75			
	TOTAL PRESSURE		DYNAMIC PRESSURE		60		STATIC PRESSURE			3.735		
	10	19.89	REYNOLDS NO.	90	120	150	165	180				
	TOTAL TEMPERATURE - 89.0						4.17		8.008		4.59E+05	
	0	15	30	60	90	120	150	165	180			
2.411	1.061	1.064	1.063	1.066	1.093	1.140	1.182	1.196	1.201			
4.333	1.059	1.060	1.056	1.059	1.082	1.123	1.168	1.180	1.185			
4.829	.845	.846	.838	.828	.842	.872	.907	.920	.923			
5.077					.868	.893	.927	.940	.944			
5.325	.904	.903	.896	.881	.885	.911	.946	.958	.962			
5.821	.943	.939	.936	.914	.908	.926	.959	.970	.975			
6.566					.937	.944	.971	.983	.987			
7.558					.968	.967	.992	1.000	1.004			
8.550	1.038	1.005	1.004	.997	.987	.988	1.002	1.009	1.010			
9.542	1.000	.997	.995	.990	.986	.997	.999	1.019	1.026			
11.512	1.004	.997	.993	.991	.983	.990	1.012	1.021	1.024			
12.008	1.004	.998	.994	.988	.981	.991	1.015	1.025	1.027			
12.256	1.073	1.093	1.101	1.071	.994	.991	1.013	1.024	1.026			
12.504	1.249	1.214	1.197	1.223	1.263	1.281	1.317	1.322	1.327			
13.000	1.195	1.180	1.172	1.184	1.204	1.240	1.275	1.288	1.293			
13.799	1.146	1.136	1.130	1.144	1.166	1.202	1.243	1.256	1.258			
14.171	1.151	1.133	1.119	1.151	1.171	1.201	1.241	1.251	1.254			
14.543	.831	.858	.900	.846	.872	.906	.938	.948	.945			
14.791	.862	.879	.885	.866	.878	.903	.935	.949	.955			
15.039	.901	.890	.889	.886	.870	.875	.914	.927	.934			

CONFIGURATION	10	ANGLE OF ATTACK	2.08	MACH NUMBER	1.75
TOTAL PRESSURE	19.88	DYNAMIC PRESSURE	8.005	STATIC PRESSURE	3.734
TOTAL TEMPERATURE	89.0	REYNOLDS NO.	4.58E+05		

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## P/PINF

X/D	CONFIGURATION		10		ANGLE OF ATTACK		1.04		MACH NUMBER		1.75	
	TOTAL PRESSURE		19.88		DYNAMIC PRESSURE		8.005		STATIC PRESSURE		3.734	
	TOTAL TEMPERATURE		89.0		REYNOLDS NO.		4.58E+05					
	0	15	30	ROLL ANGLE 60	90	120	150	165	180			
2.411	1.093	1.095	1.096	1.102	1.118	1.134	1.142	1.147	1.146			
4.333	1.092	1.095	1.095	1.101	1.110	1.122	1.129	1.130	1.131			
4.829	.855	.857	.858	.860	.867	.874	.881	.882	.882			
5.077					.894	.900	.906	.908	.908			
5.325	.911	.913	.911	.913	.916	.922	.927	.930	.931			
5.821	.941	.941	.942	.941	.941	.945	.949	.950	.950			
6.566					.968	.969	.971	.974	.974			
7.558					.997	.999	.998	.996	.999			
8.550	1.005	1.006	1.011	1.016	1.013	1.009	1.005	1.002	1.000			
9.542	.998	.999	1.002	1.007	1.012	1.017	1.014	1.008	1.010			
11.512	1.003	1.003	1.004	1.007	1.006	1.008	1.011	1.012	1.013			
12.008	1.004	1.004	1.003	1.002	1.004	1.009	1.014	1.016	1.015			
12.256	1.073	1.071	1.064	1.042	1.032	1.031	1.029	1.028	1.027			
12.504	1.244	1.246	1.251	1.261	1.266	1.275	1.283	1.285	1.285			
13.000	1.213	1.214	1.216	1.221	1.227	1.236	1.243	1.246	1.246			
13.799	1.165	1.169	1.173	1.180	1.191	1.199	1.205	1.204	1.204			
14.171	1.170	1.173	1.178	1.187	1.193	1.195	1.199	1.198	1.195			
14.543	.886	.887	.887	.888	.900	.915	.917	.915	.909			
14.791	.895	.894	.893	.892	.904	.909	.912	.913	.913			
15.039	.908	.909	.909	.908	.901	.882	.889	.892	.895			

P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 0.00 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.88 DYNAMIC PRESSURE 8.006 STATIC PRESSURE 3.734  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 4.58E+05

X/D	ROLL ANGLE					150	165	180
	0	15	30	60	90			
2.411	1.108	1.108	1.109	1.111	1.120	1.130	1.133	1.131
4.333	1.106	1.108	1.108	1.111	1.113	1.115	1.116	1.115
4.829	.862	.864	.864	.867	.868	.871	.873	.873
5.077					.896	.898	.900	.899
5.325	.916	.918	.917	.918	.918	.920	.923	.923
5.821	.942	.943	.946	.946	.943	.945	.947	.946
6.566					.971	.971	.974	.973
7.558	1.006	1.006	1.012	1.020	1.000	1.001	.996	.995
8.550	.998	1.001	1.004	1.010	1.015	1.011	1.001	.999
9.542	1.005	1.005	1.006	1.010	1.014	1.019	1.009	1.009
11.512	1.005	1.005	1.005	1.004	1.009	1.010	1.010	1.011
12.008	1.042	1.040	1.037	1.032	1.008	1.012	1.014	1.012
12.256	1.267	1.268	1.274	1.032	1.037	1.046	1.047	1.045
12.504	1.230	1.232	1.233	1.272	1.270	1.267	1.266	1.266
13.000	1.181	1.186	1.189	1.231	1.230	1.229	1.229	1.228
13.799	1.189	1.193	1.196	1.191	1.194	1.196	1.187	1.187
14.171	.888	.888	.889	1.199	1.195	1.188	1.181	1.178
14.543	.899	.899	.900	.891	.902	.912	.907	.901
14.791	.913	.914	.915	.899	.907	.909	.905	.904
15.039				.916	.905	.881	.883	.885

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER			
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE			
	TOTAL TEMPERATURE		REYNOLDS NO.					
	10	19.68	-1.03	8.005	4.58E+05	1.75		
	0	15	30	ROLL ANGLE	120	150	165	180
				60	90			
2.411	1.124	1.124	1.122	1.118	1.118	1.122	1.191	1.119
4.333	1.123	1.123	1.121	1.119	1.112	1.107	1.103	1.103
4.829	.873	.873	.873	.871	.867	.867	.864	.866
5.077					.894	.893	.892	.894
5.325	.924	.924	.922	.920	.916	.917	.917	.919
5.821	.947	.945	.948	.943	.941	.943	.943	.944
6.566					.968	.971	.972	.974
7.558					.997	.998	.997	.998
8.550	1.008	1.006	1.008	1.020	1.013	1.008	1.003	1.001
9.542	1.001	1.001	1.004	1.008	1.012	1.016	1.015	1.011
11.512	1.007	1.006	1.006	1.008	1.007	1.007	1.007	1.009
12.008	1.006	1.008	1.006	1.003	1.005	1.009	1.010	1.012
12.256	1.023	1.023	1.020	1.021	1.034	1.060	1.075	1.077
12.504	1.287	1.288	1.288	1.277	1.268	1.254	1.246	1.244
13.000	1.248	1.250	1.246	1.238	1.228	1.218	1.212	1.213
13.799	1.199	1.204	1.201	1.197	1.191	1.183	1.176	1.173
14.171	1.211	1.214	1.212	1.205	1.192	1.177	1.167	1.164
14.543	.895	.895	.894	.894	.901	.908	.906	.903
14.791	.908	.909	.907	.903	.904	.905	.901	.900
15.039	.924	.923	.921	.916	.905	.879	.876	.877

CONFIGURATION	10	ANGLE OF ATTACK	-2.07	MACH NUMBER	1.75
TOTAL PRESSURE	19.88	DYNAMIC PRESSURE	8.005	STATIC PRESSURE	3.734
TOTAL TEMPERATURE	89.0	REYNOLDS NO.	4.58E+05		

X/D



## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER				
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE				
	10	19.88	-4.14	8.006	1.75	3.734			
	TOTAL TEMPERATURE 89.0		REYNOLDS NO.		4.58E+05				
	0	15	30	ROLL ANGLE 60	90	120	150	165	180
2.411	1.182	1.178	1.167	1.124	1.093	1.083	1.078	1.080	1.082
4.333	1.177	1.174	1.165	1.127	1.087	1.069	1.069	1.068	1.070
4.829	.914	.912	.904	.872		.833	.845	.851	.853
5.077					.869	.863	.876	.880	.881
5.325	.954	.951	.943	.912	.886	.886	.903	.907	.909
5.821	.967	.964	.958	.927	.908	.917	.937	.942	.945
6.566					.936	.952	.973	.979	.982
7.558					.966	.982	.993	.994	.998
8.550	1.019	1.014	1.003	1.003	.985	.990	.996	.998	1.001
9.542	1.015	1.009	.998	.989	.986	1.002	1.007	1.008	1.012
11.512	1.019	1.016	1.009	.991	.984	.995	.996	1.002	1.009
12.008	1.018	1.017	1.013	.988	.984	.999	1.001	1.006	1.011
12.256	1.025	1.023	1.014	.989	.997	1.092	1.105	1.091	1.077
12.504	1.329	1.326	1.319	1.283	1.265	1.218	1.196	1.222	1.250
13.000	1.296	1.292	1.283	1.245	1.206	1.183	1.171	1.182	1.196
13.799	1.254	1.251	1.243	1.205	1.170	1.149	1.135	1.141	1.153
14.171	1.275	1.269	1.257	1.212	1.167	1.133	1.118	1.131	1.140
14.543	.928	.925	.918	.888	.870	.863	.914	.854	.842
14.791	.951	.949	.939	.907	.879	.883	.895	.882	.868
15.039	.965	.957	.950	.914	.878	.869	.860	.870	.878

# P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		ROLL ANGLE	
	10		8.37		2.60		180	
	TOTAL PRESSURE	DYNAMIC PRESSURE	7.844	STATIC PRESSURE	2.801			
	TOTAL TEMPERATURE	REYNOLDS NO.	4.55E+05					
	0	15	30	60	90	120	150	180
2.411	1.016	1.012	1.008	.974	1.002	1.151	1.310	1.377
4.333	1.025	1.021	1.016	.969	.990	1.126	1.280	1.342
4.829	.779	.819	.805	.735	.741	.844	.967	1.021
5.077					.753	.861	.982	1.034
5.325	.861	.858	.849	.783	.761	.865	.990	1.049
5.821	.904	.905	.891	.820	.762	.861	.994	1.053
6.566					.777	.858	.984	1.055
7.558					.822	.859	.990	1.050
8.550	.997	.955	.949	.946	.855	.874	.991	1.054
9.542	.991	.931	.937	.942	.873	.899	1.007	1.066
11.512	.991	.930	.957	.960	.900	.915	.997	1.071
12.008	.988	.936	.954	.951	.897	.922	1.025	1.059
12.256	.989	.935	.996	1.022	.901	.917	1.015	1.073
12.504	1.343	1.262	1.181	1.166	1.201	1.243	1.376	1.451
13.000	1.259	1.112	1.137	1.128	1.123	1.231	1.364	1.431
13.799	1.184	1.064	1.098	1.108	1.084	1.212	1.361	1.418
14.171	1.182	1.053	1.094	1.111	1.088	1.209	1.356	1.420
14.543	.802	.743	.813	.808	.781	.877	.990	1.043
14.791	.798	.769	.852	.835	.786	.881	.995	1.049
15.039	.803	.813	.869	.867	.787	.866	.980	1.033

## P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 6.26 MACH NUMBER 2.00  
 TOTAL PRESSURE 21.89 DYNAMIC PRESSURE 7.836 STATIC PRESSURE 2.798  
 TOTAL TEMPERATURE 91.0 REYNOLDS NO. 4.55E+05

X/C	ROLL ANGLE					120	150	165	180
	0	15	30	60	90				
2.411	1.042	1.045	1.041	1.030	1.061	1.169	1.265	1.297	1.305
4.333	1.048	1.049	1.043	1.029	1.047	1.143	1.239	1.267	1.275
4.829	.825	.833	.813	.784	.790	.858	.933	.958	.966
5.077					.809	.886	.950	.978	.983
5.325	.877	.876	.867	.828	.822	.889	.963	.992	1.001
5.821	.916	.921	.909	.864	.835	.894	.970	.999	1.008
6.566					.859	.903	.978	1.006	1.015
7.558					.895	.922	.987	1.011	1.017
8.550	1.006	.995	.984	.974	.916	.932	.992	1.018	1.026
9.542	.999	.981	.975	.970	.927	.954	1.012	1.037	1.042
11.512	1.010	.981	.981	.984	.945	.963	.997	1.032	1.044
12.008	1.004	.978	.979	.979	.941	.970	1.024	1.044	1.040
12.256	1.005	.979	1.038	1.049	.943	.962	1.012	1.039	1.048
12.504	1.355	1.282	1.193	1.208	1.258	1.290	1.370	1.401	1.411
13.000	1.227	1.169	1.185	1.180	1.182	1.267	1.345	1.376	1.385
13.799	1.175	1.118	1.132	1.141	1.144	1.234	1.329	1.359	1.361
14.171	1.178	1.115	1.129	1.148	1.147	1.226	1.320	1.351	1.362
14.543	.825	.810	.859	.825	.827	.895	.964	.991	.997
14.791	.829	.821	.881	.849	.830	.895	.966	.992	1.000
15.039	.822	.884	.882	.881	.831	.881	.950	.978	.985

CONFIGURATION	10	ANGLE OF ATTACK	4.17	MACH NUMBER	2.00
TOTAL PRESSURE	21.89	DYNAMIC PRESSURE	7.837	STATIC PRESSURE	2.798
TOTAL TEMPERATURE	91.0	REYNOLDS NO.	4.55E+05		

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## P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 2.08 MACH NUMBER 2.00  
 TOTAL PRESSURE 21.90 DYNAMIC PRESSURE 7.840 STATIC PRESSURE 2.799  
 TOTAL TEMPERATURE 91.0 REYNOLDS NO. 4.55E+05

X/D	0	15	30	ROLL ANGLE		120	150	165	180
				60	90				
2.411	1.090	1.096	1.098	1.109	1.128	1.167	1.183	1.189	1.188
4.333	1.095	1.101	1.099	1.107	1.114	1.144	1.159	1.166	1.161
4.829	.851	.852	.850	.850	.849	.867	.882	.885	.885
5.077					.873	.901	1.001	.910	.908
5.325	.890	.893	.891	.892	.893	.913	.924	.928	.928
5.821	.922	.934	.931	.930	.919	.933	.944	.950	.949
6.566					.950	.960	.967	.970	.970
7.358					.976	.982	.987	.988	.990
8.550	1.007	1.008	1.010	1.007	.992	.995	1.000	1.001	1.001
9.542	1.005	1.007	1.006	1.000	.997	.995	1.018	1.021	1.018
11.512	1.009	1.011	1.013	1.016	1.008	1.013	1.019	1.008	1.008
12.008	1.010	1.011	1.008	1.006	1.004	1.018	1.020	1.022	1.023
12.256	1.061	1.059	1.054	1.026	.009	1.017	1.019	1.020	1.020
12.504	1.253	1.262	1.274	.301	1.300	1.325	1.342	1.345	1.346
13.000	1.233	1.234	1.237	1.247	.256	1.287	1.305	1.308	1.310
13.799	1.138	1.193	1.194	1.204	1.209	1.242	1.262	1.268	1.268
14.171	1.197	1.200	1.201	1.214	1.209	1.233	1.251	1.257	1.259
14.543	.898	.903	.901	.892	.893	.915	.927	.932	.929
14.791	.896	.893	.890	.885	.886	.900	.916	.921	.921
15.039	.894	.905	.898	.903	.884	.885	.897	.903	.904

# P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 1.04 MACH NUMBER 2.00  
 TOTAL PRESSURE 21.90 DYNAMIC PRESSURE 7.038 STATIC PRESSURE 2.799  
 TEMPERATURE 91.0 REYNOLDS NO. 4.55E+05

X/O	ROLL ANGLE				MACH NUMBER			
	0	15	30	60	90	120	150	180
2.411	1.106	1.108	1.122	1.134	1.159	1.170	1.170	1.165
4.333	1.110	1.113	1.121	1.122	1.136	1.151	1.151	1.144
4.829	.855	.856	.858	.855	.866	.871	.871	.872
5.077				.880	.893	.896	.896	.897
5.325	.896	.896	.901	.902	.912	.917	.917	.918
5.821	.924	.929	.935	.930	.935	.941	.941	.941
6.566				.958	.964	.966	.966	.967
7.558				.984	.993	.994	.994	.989
8.550	1.006	1.011	1.012	1.000	1.001	1.002	1.002	1.001
9.542	1.005	1.008	1.005	1.005	1.020	1.020	1.020	1.017
11.512	1.010	1.013	1.021	1.013	1.018	1.018	1.010	1.006
12.006	1.011	1.011	1.011	1.011	1.021	1.021	1.021	1.020
12.256	1.039	1.036	1.025	1.020	1.026	1.022	1.022	1.021
12.504	1.272	1.278	1.296	1.300	1.317	1.327	1.327	1.327
13.000	1.249	1.245	1.260	1.263	1.283	1.291	1.291	1.293
13.799	1.207	1.209	1.218	1.217	1.234	1.247	1.247	1.245
14.171	1.219	1.219	1.228	1.218	1.227	1.230	1.230	1.236
14.543	.906	.908	.904	.904	.912	.923	.923	.919
14.791	.897	.893	.896	.895	.904	.909	.909	.907
15.039	.900	.904	.912	.892	.883	.889	.889	.888

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER			
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE			
	10	21.90	0.00	7.841	2.00	2.800		
	TOTAL TEMPERATURE	91.0	REYNOLDS NO.	4.55E+05				
	0	15	30	ROLL ANGLE	120	150	165	180
				60	90			
2.411	1.123	1.127		1.131	1.133	1.150	1.145	1.144
4.333	1.127	1.130		1.130	1.122	1.128	1.133	1.120
4.829	.861	.863		.861	.857	.863	.861	.860
5.077					.882	.899	.902	.884
5.325	.903	.904		.906	.903	.910	.909	.909
5.821	.927	.931		.938	.931	.936	.938	.937
6.566					.960	.966	.965	.966
7.558					.986	.996	.991	.989
8.550	1.006	1.008		1.013	1.002	1.004	1.003	1.002
9.542	1.005	1.006		1.007	1.006	1.023	1.021	1.017
11.512	1.008	1.014		1.023	1.016	1.020	1.013	1.007
12.008	1.011	1.013		1.014	1.011	1.023	1.021	1.019
12.256	1.020	1.020		1.021	1.021	1.035	1.033	1.030
12.504	1.299	1.305		1.310	1.301	1.308	1.308	1.305
13.000	1.267	1.270		1.270	1.264	1.276	1.276	1.275
13.799	1.227	1.232		1.231	1.219	1.228	1.230	1.226
14.171	1.241	1.246		1.240	1.220	1.219	1.216	1.215
14.543	.908	.912		.909	.905	.918	.915	.913
14.791	.900	.902		.902	.897	.903	.898	.897
15.039	.909	.918		.921	.895	.880	.875	.875

CONFIGURATION	10	ANGLE OF ATTACK	-1.04	MACH NUMBER	2.00
TOTAL PRESSURE	21.89	DYNAMIC PRESSURE	7.837	STATIC PRESSURE	2.798
TOTAL TEMPERATURE	91.0	REYNOLDS NO.	4.55E+05		

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## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		-2.07		MACH NUMBER		2.00	
	TOTAL PRESSURE	10	DYNAMIC PRESSURE	REYNOLDS NO.	7.837	4.55E+05	STATIC PRESSURE	2.798		
	TOTAL TEMPERATURE	91.0								
			ROLL ANGLE		120	150	165	180		
			0	15	30	60	90			
2.411	1.168	1.169	1.163	1.146	1.125	1.113	1.108	1.111		
4.333	1.169	1.171	1.162	1.145	1.114	1.099	1.100	1.097		
4.829	.886	.886	.881	.869	.848	.847	.850	.851		
5.077					.872	.879	.876	.865		
5.325	.925	.926	.920	.909	.893	.895	.899	.899		
5.821	.942	.946	.941	.935	.920	.929	.933	.933		
6.566					.949	.963	.966	.967		
7.558					.974	.989	.993	.992		
8.550	1.010	1.011	1.009	1.007	.992	1.004	1.005	1.005		
9.542	1.009	1.009	1.007	1.001	.997	1.019	1.020	1.017		
11.512	1.010	1.015	1.020	1.019	1.009	1.015	1.014	1.012		
12.008	1.014	1.013	1.014	1.012	1.005	1.019	1.020	1.017		
12.256	1.016	1.014	1.011	1.011	1.010	1.077	1.079	1.077		
12.504	1.347	1.344	1.337	1.328	1.305	1.264	1.264	1.264		
13.000	1.303	1.303	1.298	1.282	1.259	1.242	1.242	1.241		
13.799	1.272	1.273	1.267	1.247	1.213	1.195	1.196	1.191		
14.171	1.289	1.288	1.280	1.255	1.213	1.182	1.181	1.179		
14.543	.925	.929	.922	.910	.894	.911	.907	.903		
14.791	.925	.925	.921	.907	.887	.893	.896	.895		
15.039	.937	.940	.935	.926	.886	.860	.862	.862		

P/PINF

X/D	CONFIGURATION		10		ANGLE OF ATTACK		-4.15		MACH NUMBER	
	TOTAL PRESSURE		21.90		DYNAMIC PRESSURE		7.841		STATIC PRESSURE	
	TOTAL TEMPERATURE		91.0		REYNOLDS NO.		4.55E+05		2.800	
	0		15		ROLL ANGLE		120		150	
					60 90					
2.411	1.220	1.216	1.201	1.148	1.098	1.086	1.086	1.080	1.083	1.084
4.333	1.215	1.212	1.197	1.147	1.089	1.072	1.072	1.072	1.074	1.073
4.829	.922	.920	.905	.866	.823	.815	.815	.832	.844	.846
5.077					.846	.846	.846	.859	.865	.878
5.325	.956	.953	.938	.901	.864	.867	.867	.886	.891	.893
5.821	.966	.966	.955	.918	.885	.901	.901	.922	.929	.930
6.566					.912	.935	.935	.959	.965	.968
7.558					.945	.965	.965	.987	.992	1.001
8.550	1.018	1.016	1.008	.983	.962	.983	.983	.999	1.004	1.007
9.542	1.017	1.015	1.005	.979	.969	1.005	1.005	1.011	1.016	1.018
11.512	1.025	1.021	1.019	.999	.985	1.003	1.003	1.003	1.008	1.013
12.008	1.023	1.020	1.016	.995	.981	1.006	1.006	1.008	1.014	1.017
12.256	1.027	1.023	1.011	.989	.982	1.073	1.073	1.091	1.059	1.041
12.594	1.373	1.372	1.355	1.319	1.296	1.253	1.253	1.224	1.267	1.307
13.000	1.338	1.334	1.321	1.278	1.232	1.219	1.219	1.207	1.223	1.239
13.799	1.320	1.318	1.302	1.250	1.190	1.172	1.172	1.160	1.170	1.180
14.171	1.339	1.334	1.315	1.258	1.188	1.162	1.162	1.145	1.153	1.166
14.543	.955	.954	.940	.902	.865	.869	.869	.918	.851	.859
14.791	.960	.958	.945	.906	.865	.870	.870	.891	.883	.840
15.039	.974	.976	.959	.925	.866	.856	.856	.848	.847	.861

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		3.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		.988	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.47E+05			
	0	15	30	60	90	120	150	180
2.411	.995	.974	.968	.884	.956	1.281	1.605	1.748
4.333	.984	.979	.966	.880	.958	1.264	1.588	1.722
4.829	.730	.756	.732	.623	.661	.869	1.095	1.191
5.077					.647	.864	1.096	1.191
5.325	.736	.728	.722	.628	.641	.862	1.096	1.204
5.821	.778	.771	.756	.657	.623	.847	1.086	1.194
6.566					.597	.823	1.067	1.177
7.558					.574	.799	1.048	1.149
8.550	.910	.803	.793	.788	.599	.780	1.036	1.144
9.542	.916	.771	.770	.804	.660	.755	1.020	1.131
11.512	.935	.772	.781	.845	.774	.728	1.002	1.120
12.008	.925	.774	.789	.849	.784	.737	1.011	1.130
12.256	.934	.790	.816	.871	.792	.733	.994	1.121
12.504	1.408	1.156	1.077	1.119	1.129	1.135	1.525	1.716
13.000	1.451	1.067	.993	1.104	1.082	1.203	1.533	1.711
13.799	1.298	.941	1.049	1.067	1.037	1.250	1.540	1.698
14.171	1.264	.963	1.053	1.087	1.037	1.262	1.553	1.716
14.543	.780	.623	.741	.807	.696	.859	1.060	1.157
14.791	.749	.630	.756	.774	.659	.823	1.029	1.135
15.039	.733	.670	.776	.778	.651	.817	1.032	1.142

P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		3.00
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		
	10	36.31	6.23	6.227	6.227	.988	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.47E+05		
	0	15	30	ROLL ANGLE	120	150	180
				60	90		
2.411	1.041	1.038	1.025	.996	1.066	1.470	1.561
4.333	1.037	1.038	1.021	.989	1.066	1.476	1.537
4.829	.804	.798	.760	.707	.744	1.008	1.069
5.077					.730	1.006	1.063
5.325	.786	.781	.766	.702	.729	1.013	1.078
5.821	.816	.816	.804	.733	.727	1.004	1.073
6.566					.724	.997	1.067
7.558					.724	.989	1.054
8.550	.940	.909	.894	.862	.752	.981	1.048
9.542	.943	.896	.887	.874	.778	.974	1.038
11.512	.963	.889	.892	.903	.834	.942	1.037
12.008	.962	.886	.886	.905	.845	.983	1.049
12.256	.967	.887	.904	.948	.851	.969	1.042
12.504	1.404	1.256	1.177	1.184	1.227	1.479	1.590
13.000	1.402	1.128	1.140	1.184	1.205	1.491	1.589
13.799	1.326	1.123	1.161	1.189	1.163	1.491	1.576
14.171	1.282	1.104	1.158	1.182	1.164	1.494	1.586
14.543	.809	.736	.833	.842	.795	1.021	1.075
14.791	.778	.752	.856	.817	.753	.980	1.048
15.039	.784	.795	.857	.825	.750	.978	1.050

X/D	CONFIGURATION		10		ANGLE OF ATTACK		4.14		MACH NUMBER		3.00	
	TOTAL PRESSURE		36.30		DYNAMIC PRESSURE		6.226		STATIC PRESSURE			.988
	TOTAL TEMPERATURE		99.0		REYNOLDS NO.		4.47E+05					
	0	15	30	60	90	120	150	165	180			
2.411	1.084	1.089	1.081	1.084	1.142	1.259	1.369	1.402	1.418			
4.333	1.081	1.086	1.079	1.084	1.147	1.261	1.370	1.406	1.414			
4.829	.840	.829	.802	.778	.807	.874	.943	.968	.973			
5.077					.791	.863	.940	.962	.965			
5.325	.807	.805	.796	.770	.796	.869	.944	.969	.980			
5.821	.840	.839	.830	.803	.807	.870	.945	.970	.981			
6.566					.823	.878	.952	.976	.986			
7.558					.842	.886	.958	.981	.986			
8.550	.961	.957	.944	.907	.867	.891	.954	.979	.986			
9.542	.965	.956	.945	.916	.876	.897	.959	.983	.984			
11.512	.981	.967	.959	.946	.908	.913	.967	.991	.997			
12.008	.977	.963	.955	.946	.917	.930	.984	1.005	1.008			
12.256	.983	.976	.993	.973	.920	.924	.971	.995	1.004			
12.504	1.337	1.270	1.222	1.266	1.302	1.356	1.448	1.486	1.502			
13.000	1.314	1.279	1.273	1.282	1.313	1.376	1.462	1.495	1.511			
13.799	1.280	1.244	1.247	1.253	1.269	1.350	1.441	1.473	1.483			
14.171	1.263	1.226	1.226	1.241	1.265	1.341	1.436	1.471	1.480			
14.543	.874	.874	.948	.880	.873	.926	.991	1.011	1.015			
14.791	.849	.880	.907	.845	.827	.870	.939	.964	.974			
15.039	.851	.873	.873	.844	.816	.860	.931	.958	.972			

P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 2.06 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.31 DYNAMIC PRESSURE 6.227 STATIC PRESSURE .988  
 TOTAL TEMPERATURE 99.0 REYNOLDS NO. 4.47E+05

	ROLL ANGLE				120	150	165	180
	0	15	30	60				
X/D								
2.411	1.133	1.139	1.138	1.152	1.186	1.238	1.201	1.306
4.333	1.132	1.139	1.141	1.156	1.191	1.241	1.303	1.295
4.829	.855	.850	.842	.838	.851	.872	.903	.901
5.077					.831	.856	.889	.887
5.325	.824	.823	.822	.820	.837	.865	.899	.904
5.821	.856	.861	.853	.850	.857	.878	.908	.915
6.566					.886	.902	.929	.935
7.558					.914	.924	.948	.945
8.550	.964	.961	.961	.942	.934	.937	.954	.953
9.542	.969	.965	.959	.943	.939	.950	.966	.962
11.512	.988	.988	.980	.971	.960	.962	.981	.980
12.008	.987	.984	.979	.969	.968	.978	.996	.992
12.256	1.009	1.007	1.002	.983	.970	.968	.988	.908
12.504	1.286	1.290	1.292	1.316	1.337	1.367	1.411	1.419
13.000	1.321	1.328	1.333	1.355	1.378	1.405	1.445	1.450
13.799	1.301	1.309	1.309	1.317	1.334	1.361	1.404	1.405
14.171	1.288	1.290	1.290	1.303	1.323	1.346	1.394	1.394
14.543	.955	.949	.943	.929	.933	.947	.977	.975
14.791	.924	.916	.905	.890	.884	.893	.923	.927
15.039	.899	.901	.893	.873	.863	.868	.905	.912

CONFIGURATION		10		ANGLE OF ATTACK		1.03		MACH NUMBER		3.00	
TOTAL PRESSURE		36.30		DYNAMIC PRESSURE		6.226		STATIC PRESSURE		.988	
TOTAL TEMPERATURE		99.0		REYNOLDS NO.		4.47E+05					
		0	15	30	ROLL ANGLE	60	90	120	150	165	180
X/D											
2.411		1.162	1.167	1.166	1.177	1.197	1.229	1.250	1.257	1.261	
4.333		1.165	1.172	1.173	1.184	1.203	1.227	1.241	1.246	1.245	
4.829		.858	.857	.855	.856	.862	.871	.875	.878	.876	
5.077						.844	.851	.860	.863	.859	
5.325		.834	.836	.836	.839	.848	.861	.868	.872	.873	
5.821		.871	.867	.865	.872	.873	.878	.884	.887	.889	
6.566						.899	.907	.913	.915	.916	
7.558						.932	.935	.937	.936	.936	
8.550		.960	.960	.957	.952	.949	.948	.946	.949	.946	
9.542		.966	.964	.959	.951	.953	.961	.965	.966	.960	
11.512		.985	.984	.981	.976	.972	.973	.977	.981	.978	
12.008		.984	.984	.979	.976	.980	.987	.994	.995	.991	
12.256		1.002	.996	.994	.988	.983	.980	.984	.988	.988	
12.504		1.306	1.310	1.315	1.330	1.342	1.356	1.369	1.373	1.377	
13.000		1.354	1.361	1.362	1.379	1.391	1.403	1.414	1.418	1.423	
13.799		1.323	1.330	1.335	1.346	1.350	1.355	1.366	1.372	1.371	
14.171		1.311	1.312	1.316	1.328	1.336	1.340	1.350	1.358	1.357	
14.543		.956	.955	.951	.948	.952	.960	.965	.969	.964	
14.791		.918	.916	.912	.906	.903	.903	.908	.913	.915	
15.039		.894	.897	.892	.892	.877	.870	.878	.885	.888	

P/PINF

X/D	CONFIGURATION		10		ANGLE OF ATTACK		0.00		MACH NUMBER		3.00	
	TOTAL PRESSURE		36.30		DYNAMIC PRESSURE		6.226		STATIC PRESSURE		.988	
	TOTAL TEMPERATURE		99.0		REYNOLDS NO.		4.47E+05					
	0	15	30	60	90	120	150	180				
2.411	1.194	1.200	1.196	1.196	1.207	1.216	1.218	1.219	1.221			
4.333	1.203	1.210	1.209	1.206	1.210	1.208	1.204	1.204	1.201			
4.829	.867	.867	.866	.866	.868	.865	.860	.862	.858			
5.077					.847	.844	.840	.842	.837			
5.325	.651	.653	.852	.850	.855	.851	.850	.851	.851			
5.821	.880	.881	.879	.884	.879	.873	.870	.871	.873			
6.566					.912	.904	.905	.905	.906			
7.559					.943	.937	.933	.934	.932			
8.550	.957	.958	.956	.955	.956	.950	.947	.949	.945			
9.542	.961	.960	.959	.953	.959	.966	.966	.968	.963			
11.512	.982	.983	.981	.978	.978	.977	.980	.984	.979			
12.008	.983	.983	.981	.978	.985	.992	.994	.996	.991			
12.256	.989	.988	.989	.986	.991	.988	.989	.991	.992			
12.504	1.341	1.346	1.346	1.345	1.347	1.338	1.337	1.338	1.339			
13.000	1.388	1.393	1.391	1.396	1.400	1.392	1.389	1.391	1.391			
13.799	1.350	1.359	1.358	1.366	1.358	1.343	1.340	1.341	1.340			
14.171	1.341	1.343	1.343	1.348	1.342	1.327	1.323	1.326	1.323			
14.543	.950	.950	.950	.953	.960	.964	.962	.965	.960			
14.791	.910	.909	.912	.913	.914	.911	.908	.913	.914			
15.039	.892	.897	.900	.897	.888	.868	.871	.875	.878			



## P/PINF

CONFIGURATION 10 ANGLE OF ATTACK -1.03 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.30 DYNAMIC PRESSURE 6.227 STATIC PRESSURE .988  
 TOTAL TEMPERATURE 99.0 REYNOLDS NO. 4.47E+05

X/D	ROLL ANGLE					120	150	165	180
	0	15	30	60	90				
2.411	1.231	1.233	1.226	1.212	1.204	1.196	1.187	1.185	1.186
4.333	1.246	1.249	1.241	1.225	1.200	1.184	1.168	1.165	1.162
4.829	.883	.883	.861	.870	.861	.853	.849	.850	.847
5.077					.840	.830	.826	.825	.822
5.325	.871	.871	.870	.857	.849	.839	.835	.835	.835
5.821	.900	.894	.896	.881	.870	.862	.860	.860	.860
6.566					.903	.897	.900	.898	.898
7.558					.926	.926	.932	.932	.931
8.550	.958	.958	.959	.952	.947	.944	.947	.950	.949
9.542	.961	.960	.955	.948	.951	.961	.968	.970	.970
11.512	.983	.981	.979	.971	.971	.975	.982	.986	.984
12.008	.986	.982	.978	.973	.976	.988	.994	.995	.994
12.256	.992	.987	.985	.981	.983	.988	.998	1.003	1.004
12.504	1.384	1.382	1.379	1.361	1.344	1.324	1.309	1.305	1.307
13.000	1.419	1.420	1.415	1.406	1.393	1.373	1.360	1.357	1.357
13.799	1.386	1.388	1.386	1.376	1.349	1.325	1.317	1.315	1.315
14.171	1.382	1.381	1.374	1.362	1.335	1.308	1.295	1.297	1.294
14.543	.952	.953	.950	.949	.948	.956	.963	.968	.967
14.791	.914	.911	.915	.908	.902	.898	.910	.917	.921
15.039	.906	.908	.907	.896	.873	.859	.867	.873	.878

# P/PINF

CONFIGURATION 10 ANGLE OF ATTACK -2.05 MACH NUMBER 3.00  
 TOTAL PRESSURE 26.31 DYNAMIC PRESSURE 6.227 STATIC PRESSURE .988  
 TOTAL TEMPERATURE 99.0 REYNOLDS NO. 4.47E+05

X/D	ROLL ANGLE				
	0	15	30	60	90
2.411	1.277	1.276	1.264	1.225	1.193
4.333	1.296	1.294	1.282	1.239	1.190
6.829	.907	.905	.899	.869	.845
9.077					.828
11.325	.903	.897	.889	.862	.833
13.821	.917	.916	.912	.879	.844
16.566					.826
19.520					.801
22.550					.775
25.942	.966	.963	.955	.938	.927
29.512	.964	.960	.952	.933	.923
33.008	.985	.984	.976	.959	.953
36.296	.990	.985	.977	.962	.964
39.797	.994	.991	.986	.969	.966
43.304	1.429	1.421	1.408	1.372	1.339
46.800	1.445	1.443	1.433	1.406	1.377
50.299	1.482	1.421	1.411	1.381	1.333
53.791	1.421	1.411	1.404	1.369	1.317
57.283	.963	.962	.955	.941	.926
60.771	.926	.923	.918	.899	.876
64.259	.926	.927	.926	.901	.857
67.747					
71.235					
74.723					
78.211					
81.699					
85.187					
88.675					
92.163					
95.651					
99.139					
102.627					
106.115					
109.603					
113.091					
116.579					
120.067					
123.555					
127.043					
130.531					
134.019					
137.507					
140.995					
144.483					
147.971					
151.459					

X/D	CONFIGURATION			ANGLE OF ATTACK			ROLL ANGLE			MACH NUMBER			
	TOTAL PRESSURE	10	36.30	DYNAMIC PRESSURE	90	60	30	15	0	120	150	165	180
2.411	1.388	1.381	1.347	1.242	1.141	1.094	1.096	1.100	1.101				
4.333	1.414	1.405	1.371	1.256	1.139	1.077	1.072	1.077	1.080				
4.829	.971	.966	.940	.866	.797	.769	.794	.823	.852				
5.077					.784	.756	.784	.803	.811				
5.325	.970	.960	.937	.858	.789	.768	.796	.807	.807				
5.821	.979	.973	.947	.868	.801	.797	.821	.831	.836				
6.566					.819	.827	.870	.882	.887				
7.558					.834	.862	.911	.922	.930				
8.550	1.000	.990	.962	.889	.848	.892	.932	.944	.947				
9.542	.989	.979	.952	.882	.861	.917	.953	.962	.966				
11.512	1.007	.999	.975	.909	.897	.941	.955	.963	.977				
12.008	1.011	1.000	.975	.915	.909	.956	.965	.970	.985				
12.256	1.017	1.008	.984	.920	.912	.973	.992	.976	.987				
12.504	1.509	1.495	1.459	1.354	1.298	1.259	1.216	1.267	1.342				
13.000	1.507	1.499	1.463	1.373	1.306	1.274	1.272	1.278	1.319				
13.799	1.502	1.493	1.462	1.366	1.265	1.233	1.232	1.228	1.273				
14.171	1.511	1.498	1.462	1.360	1.253	1.218	1.212	1.210	1.248				
14.543	1.004	.999	.978	.921	.867	.887	.951	.878	.880				
14.791	.972	.965	.945	.882	.818	.838	.903	.871	.846				
15.039	.984	.979	.955	.888	.810	.817	.845	.846	.847				

P/PINF

X/D	CONFIGURATION		10		ANGLE OF ATTACK		8.33		MACH NUMBER		4.00	
	TOTAL PRESSURE		57.32		DYNAMIC PRESSURE		4.227		STATIC PRESSURE		.377	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.29E+05					
	0	15	30	60	90	120	150	165	180			
2.411	.993	.900	.876	.855	1.074	1.545	2.053	2.214	2.269			
4.333	.963	.930	.904	.797	1.012	1.504	2.001	2.156	2.235			
4.829	.683	.702	.678	.550	.889	.964	1.286	1.395	1.442			
5.077					1.066	.941	1.256	1.355	1.401			
5.325	.675	.658	.627	.557	.820	.926	1.259	1.360	1.405			
5.821	.682	.657	.623	.572	.790	.909	1.245	1.346	1.384			
6.566					.967	.891	1.220	1.325	1.364			
7.558					.920	.853	1.190	1.293	1.333			
8.550	.804	.646	.618	.643	.546	.814	1.153	1.264	1.311			
9.542	.791	.633	.626	.664	.587	.809	1.159	1.265	1.312			
11.512	.810	.673	.672	.706	.634	.747	1.094	1.210	1.259			
12.008	.799	.687	.688	.704	.646	.757	1.108	1.222	1.269			
12.256	.813	.724	.746	.743	.699	.753	1.105	1.214	1.260			
12.504	1.336	1.082	.892	.941	.888	1.204	1.803	1.992	2.066			
13.000	1.449	1.048	.889	.990	.953	1.335	1.907	2.093	2.156			
13.799	1.553	.846	.831	.975	.961	1.368	1.924	2.094	2.164			
14.171	1.391	.810	.859	.960	.962	1.376	1.930	2.111	2.188			
14.543	.747	.535	.653	.696	.640	.907	1.251	1.358	1.401			
14.791	.696	.579	.635	.663	.581	.826	1.159	1.262	1.301			
15.039	.670	.614	.641	.644	.555	.802	1.139	1.245	1.288			

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		4.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		.382	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.34E+05			
	0	15	30	60	90	120	150	180
2.411	1.064	.995	.991	.995	1.159	1.467	1.796	1.930
4.333	1.039	1.021	.997	.970	1.133	1.446	1.785	1.940
4.829	.793	.759	.709	.669	.742	.937	1.143	1.231
5.077					.703	.910	1.107	1.200
5.325	.752	.731	.693	.628	.692	.892	1.107	1.202
5.821	.756	.740	.723	.647	.673	.877	1.096	1.186
6.566					.662	.867	1.082	1.177
7.558					.637	.841	1.064	1.159
8.550	.875	.817	.790	.740	.630	.811	1.037	1.145
9.542	.872	.807	.792	.766	.653	.808	1.044	1.148
11.512	.896	.805	.804	.808	.706	.754	.989	1.103
12.008	.890	.805	.802	.809	.727	.767	1.002	1.112
12.256	.906	.834	.854	.858	.756	.765	1.000	1.107
12.504	1.378	1.178	1.054	1.070	1.069	1.208	1.615	1.793
13.000	1.447	1.086	1.036	1.131	1.166	1.357	1.737	1.904
13.799	1.376	1.099	1.123	1.143	1.161	1.395	1.748	1.904
14.171	1.395	1.080	1.131	1.160	1.155	1.409	1.745	1.917
14.543	.841	.702	.816	.844	.771	.935	1.136	1.234
14.791	.785	.731	.811	.804	.704	.852	1.048	1.135
15.039	.758	.759	.814	.782	.676	.823	1.022	1.113

CONFIGURATION	10	ANGLE OF ATTACK	4.11	MACH NUMBER	4.00
TOTAL PRESSURE	58.06	DYNAMIC PRESSURE	4.282	STATIC PRESSURE	.382
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.34E+05		

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X/D	CONFIGURATION		10		ANGLE OF ATTACK		2.05		MACH NUMBER		4.00
	TOTAL PRESSURE		58.06	DYNAMIC PRESSURE		4.282	STATIC PRESSURE		.382		
	TOTAL TEMPERATURE			REYNOLDS NO.							
	0	15	30	60	90	120	150	165	180		
2.411	1.193	1.193	1.196	1.242	1.296	1.352	1.424	1.455	1.468		
4.333	1.189	1.192	1.203	1.253	1.303	1.380	1.439	1.456	1.478		
4.829	.876	.868	.854	.852	.867	.892	.930	.955	.941		
5.077					.841	.867	.901	.912	.918		
5.325	.793	.796	.797	.806	.825	.861	.897	.909	.919		
5.821	.802	.802	.812	.813	.830	.863	.901	.912	.914		
6.566					.862	.891	.920	.932	.930		
7.558					.880	.906	.936	.938	.943		
8.550	.929	.931	.923	.900	.891	.910	.934	.946	.950		
9.542	.939	.941	.934	.911	.909	.931	.953	.961	.967		
11.512	.977	.968	.964	.940	.919	.919	.933	.947	.954		
12.008	.973	.969	.964	.941	.930	.938	.956	.964	.969		
12.256	1.012	1.003	.981	.959	.938	.940	.962	.967	.973		
12.504	1.272	1.280	1.311	1.308	1.321	1.364	1.419	1.435	1.450		
13.000	1.347	1.355	1.379	1.426	1.460	1.524	1.578	1.602	1.614		
13.799	1.416	1.414	1.413	1.422	1.452	1.509	1.562	1.576	1.583		
14.171	1.400	1.402	1.406	1.407	1.438	1.499	1.548	1.569	1.576		
14.543	1.051	1.019	.997	.988	.991	1.016	1.042	1.051	1.052		
14.791	1.005	.978	.941	.932	.924	.938	.965	.971	.971		
15.039	.963	.945	.923	.893	.883	.893	.923	.930	.927		

# P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 1.03 MACH NUMBER 4.00  
 TOTAL PRESSURE 58.06 DYNAMIC PRESSURE 4.282 STATIC PRESSURE .382  
 TOTAL TEMPERATURE 90.0 REYNOLDS NO. 4.34E+05

X/D	0	15	30	ROLL ANGLE			120	150	165	180
				60	90					
2.411	1.249	1.256	1.261	1.284	1.306		1.332	1.368	1.387	1.393
4.333	1.251	1.254	1.262	1.288	1.317		1.342	1.381	1.386	1.383
4.829	.891	.890	.892	.888	.883		.877	.894	.907	.902
5.077					.853		.856	.873	.877	.874
5.325	.811	.815	.813	.827	.843		.855	.868	.870	.870
5.821	.819	.820	.826	.833	.851		.858	.871	.873	.869
6.566					.882		.886	.895	.899	.897
7.553					.907		.917	.920	.918	.921
8.550	.931	.929	.928	.919	.918		.925	.925	.930	.934
9.542	.939	.940	.939	.929	.935		.946	.948	.950	.954
11.512	.973	.970	.969	.957	.943		.938	.937	.945	.946
12.008	.970	.971	.970	.955	.953		.955	.959	.963	.963
12.256	1.000	.998	.987	.971	.962		.960	.969	.969	.970
12.504	1.296	1.302	1.312	1.327	1.339		1.364	1.379	1.383	1.386
13.000	1.397	1.401	1.411	1.449	1.479		1.518	1.536	1.548	1.552
13.799	1.454	1.453	1.457	1.469	1.480		1.505	1.525	1.526	1.527
14.171	1.436	1.438	1.444	1.455	1.466		1.491	1.506	1.514	1.517
14.543	1.051	1.046	1.027	1.014	1.020		1.026	1.034	1.041	1.035
14.791	.995	.991	.970	.957	.955		.952	.963	.963	.963
15.039	.951	.947	.941	.922	.912		.904	.917	.916	.914



## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		4.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		.382	
	TOTAL TEMPERATURE		REYNOLDS NO.		0.00		4.34E+05	
	0	15	30	ROLL ANGLE 60 90	120	150	165	180
2.411	1.326	1.329	1.323	1.328 1.315	1.308	1.313	1.321	1.321
4.333	1.320	1.324	1.324	1.330 1.323	1.310	1.303	1.307	1.302
4.829	.908	.907	.912	.914 .908	.896	.882	.886	.885
5.077				.866 .866	.848	.848	.842	.839
5.325	.841	.846	.843	.848 .846	.841	.837	.834	.836
5.821	.848	.847	.853	.855 .851	.848	.847	.843	.839
6.566				.885 .885	.882	.877	.879	.876
7.558				.913 .913	.912	.913	.908	.909
8.550	.930	.930	.931	.927 .925	.924	.920	.924	.922
9.542	.935	.938	.939	.936 .943	.948	.946	.948	.946
11.512	.967	.966	.965	.961 .950	.943	.941	.945	.945
12.008	.966	.969	.967	.959 .959	.961	.962	.963	.962
12.256	.984	.986	.980	.974 .970	.972	.979	.978	.977
12.504	1.337	1.335	1.340	1.337 1.337	1.333	1.336	1.333	1.329
13.000	1.474	1.477	1.471	1.476 1.476	1.477	1.473	1.477	1.474
13.799	1.495	1.497	1.499	1.499 1.489	1.484	1.484	1.478	1.476
14.171	1.481	1.483	1.485	1.484 1.473	1.470	1.461	1.465	1.460
14.543	1.039	1.043	1.043	1.032 1.033	1.034	1.031	1.032	1.030
14.791	.980	.982	.976	.973 .969	.964	.968	.967	.967
15.039	.941	.936	.943	.936 .925	.915	.919	.918	.914

CONFIGURATION	10	ANGLE OF ATTACK	-1.02	MACH NUMBER	4.00
TOTAL PRESSURE	58.06	DYNAMIC PRESSURE	4.282	STATIC PRESSURE	.382
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.34E+05		

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## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER				
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE				
	10	58.05	-2.03	4.282	4.00	.392			
	0	15	30	ROLL ANGLE	120	150	165	180	
				60	90				
2.411	1.519	1.519	1.495	1.414	1.308	1.230	1.201	1.200	1.197
4.333	1.490	1.470	1.454	1.381	1.305	1.220	1.192	1.182	1.180
4.829	.954	.968	.948	.901	.844	.810	.840	.854	.865
5.077					.823	.799	.810	.816	.821
5.325	.923	.913	.906	.859	.820	.799	.804	.801	.801
5.821	.929	.915	.914	.870	.825	.805	.804	.806	.805
6.566					.850	.828	.843	.851	.850
7.558					.870	.868	.891	.893	.892
8.550	.962	.953	.948	.914	.887	.893	.908	.916	.915
9.542	.961	.955	.946	.913	.899	.916	.940	.946	.945
11.512	.983	.974	.962	.934	.914	.922	.943	.952	.951
12.008	.981	.976	.965	.936	.922	.939	.960	.967	.964
12.256	.994	.986	.976	.944	.935	.952	.982	.998	1.004
12.504	1.497	1.450	1.441	1.369	1.315	1.307	1.305	1.282	1.264
13.000	1.626	1.609	1.589	1.519	1.458	1.435	1.388	1.360	1.347
13.799	1.610	1.606	1.586	1.523	1.446	1.407	1.398	1.408	1.400
14.171	1.603	1.597	1.581	1.513	1.434	1.390	1.385	1.387	1.383
14.543	1.054	1.060	1.049	1.015	.985	.984	.997	1.011	1.044
14.791	.978	.989	.977	.946	.918	.918	.936	.971	.992
15.039	.950	.952	.943	.912	.875	.870	.898	.928	.939

CONFIGURATION	10	ANGLE OF ATTACK	--4.08	MACH NUMBER	4.00
TOTAL PRESSURE	58.05	DYNAMIC PRESSURE	4.281	STATIC PRESSURE	.392
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.34E+05		

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## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		ROLL ANGLE	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE			
	10	72.22	8.22	3.537	4.50	4.13E+05		
	0	15	30	60	90	120	150	180
2.411	1.017	.889	.883	.853	1.121	1.710	2.334	2.512
4.333	.924	.879	.853	.781	1.089	1.689	2.300	2.470
4.829	.662	.678	.634	.520	.675	1.052	1.402	1.536
5.077					.636	.988	1.357	1.465
5.325	.649	.618	.583	.515	.617	.979	1.353	1.454
5.821	.659	.614	.575	.541	.590	.944	1.317	1.423
6.566					.565	.928	1.313	1.418
7.558					.546	.912	1.290	1.412
8.550	.752	.590	.534	.618	.540	.872	1.250	1.360
9.542	.729	.596	.593	.628	.560	.857	1.243	1.361
11.512	.766	.650	.640	.661	.602	.807	1.208	1.329
12.008	.755	.653	.645	.664	.616	.813	1.219	1.344
12.256	.768	.639	.711	.719	.693	.820	1.213	1.335
12.504	1.312	1.042	.825	.861	.828	1.307	1.991	2.200
13.000	1.418	.986	.861	.945	.923	1.490	2.173	2.374
13.799	1.519	.788	.801	.928	.938	1.527	2.184	2.397
14.171	1.464	.771	.816	.919	.946	1.541	2.208	2.418
14.543	.748	.531	.616	.647	.618	.999	1.414	1.541
14.791	.676	.584	.602	.598	.559	.909	1.294	1.398
15.039	.652	.617	.602	.586	.527	.866	1.232	1.349

# P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 6.15 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.21 DYNAMIC PRESSURE 3.537 STATIC PRESSURE .249  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.13E+03

X/D	ROLL ANGLE				MACH NUMBER			
	0	15	30	60	90	120	150	180
2.411	1.058	1.002	1.000	1.002	1.197	1.607	1.995	2.181
4.333	1.017	.984	.962	.975	1.190	1.597	1.987	2.168
6.029	.778	.749	.689	.622	.743	.949	1.182	1.284
8.077					.702	.932	1.158	1.269
9.325	.732	.698	.656	.597	.686	.928	1.161	1.268
11.021	.739	.709	.669	.607	.665	.905	1.140	1.249
13.060					.649	.894	1.152	1.241
15.550	.846	.784	.779	.673	.636	.892	1.135	1.257
18.542	.866	.763	.771	.697	.632	.893	1.100	1.212
21.512	.872	.786	.754	.763	.638	.841	1.096	1.220
24.008	.856	.777	.744	.763	.697	.793	1.065	1.202
26.356	.873	.710	.808	.814	.779	.801	1.075	1.211
28.904	1.360	1.166	.990	1.012	.993	.811	1.075	1.310
31.000	1.642	1.102	.968	1.099	1.142	1.275	1.736	2.023
33.799	1.641	1.047	.908	1.129	1.137	1.466	1.937	2.167
36.171	1.603	1.093	1.101	1.147	1.163	1.498	1.937	2.172
38.943	.930	.697	.800	.820	.743	1.500	1.969	2.166
41.791	.773	.722	.786	.771	.681	.875	1.253	1.280
43.039	.759	.754	.778	.756	.653	.886	1.135	1.218
						.839	1.082	1.189

X/D	CONFIGURATION		10		ANGLE OF ATTACK		4.09		MACH NUMBER		4.50
	TOTAL PRESSURE		72.21		DYNAMIC PRESSURE		3.537		STATIC PRESSURE		
	TOTAL TEMPERATURE		96.0		REYNOLDS NO.		4.13E+05				
	0	15	30	60	90	120	150	165	180		
2.411	1.120	1.104	1.106	1.150	1.298	1.514	1.746	1.812	1.846		
4.333	1.098	1.096	1.095	1.141	1.291	1.516	1.728	1.799	1.825		
4.829	.862	.826	.781	.745	.792	.907	1.031	1.068	1.091		
5.077					.755	.881	1.007	1.056	1.075		
5.325	.786	.764	.745	.711	.759	.885	1.016	1.054	1.077		
5.821	.771	.751	.712	.728	.753	.878	1.003	1.050	1.070		
6.566					.763	.886	1.020	1.059	1.081		
7.558					.768	.890	1.012	1.055	1.071		
8.550	.900	.882	.868	.773	.769	.873	.996	1.030	1.053		
9.542	.918	.904	.893	.796	.775	.874	1.010	1.053	1.068		
11.512	.965	.943	.945	.864	.792	.853	.989	1.038	1.063		
12.008	.944	.932	.929	.870	.809	.866	.997	1.055	1.072		
12.256	.980	.966	.964	.893	.889	.971	1.003	1.062	1.217		
12.504	1.321	1.261	1.255	1.257	1.193	1.394	1.584	1.715	1.741		
13.000	1.367	1.326	1.340	1.352	1.375	1.570	1.782	1.872	1.929		
13.799	1.409	1.385	1.372	1.348	1.391	1.568	1.771	1.864	1.916		
14.171	1.406	1.376	1.364	1.345	1.392	1.562	1.775	1.858	1.913		
14.543	.956	.979	.974	.904	.899	.965	1.153	1.195	1.130		
14.791	.929	.935	.926	.843	.829	.897	1.048	1.082	1.070		
15.039	.913	.909	.889	.830	.797	.870	.990	1.030	1.039		

P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 2.04 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.20 DYNAMIC PRESSURE 3.536 STATIC PRESSURE .249  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.13E+05

X/D	ROLL ANGLE							
	0	15	30	60	90	120	150	180
2.411	1.226	1.220	1.231	1.270	1.348	1.437	1.523	1.570
4.333	1.235	1.214	1.230	1.275	1.356	1.445	1.521	1.566
4.829	.906	.893	.879	.850	.826	.889	.934	.960
5.077					.811	.858	.907	.936
5.325	.800	.797	.802	.795	.818	.868	.914	.942
5.821	.799	.799	.797	.801	.819	.866	.906	.931
6.566					.845	.880	.922	.947
7.558					.861	.901	.929	.952
8.550	.902	.893	.886	.872	.879	.904	.932	.950
9.542	.924	.916	.900	.890	.894	.922	.958	.978
11.512	.991	.982	.974	.949	.919	.929	.964	.987
12.008	.976	.977	.966	.946	.928	.942	.983	1.001
12.256	1.031	1.010	.991	.958	.951	.974	1.000	1.080
12.504	1.276	1.306	1.343	1.401	1.420	1.488	1.568	1.587
13.000	1.358	1.369	1.429	1.530	1.582	1.654	1.727	1.765
13.799	1.466	1.466	1.478	1.513	1.566	1.626	1.688	1.729
14.171	1.473	1.469	1.484	1.500	1.552	1.606	1.674	1.722
14.543	1.103	1.050	1.010	.997	1.015	1.045	1.090	1.101
14.791	1.062	1.011	.960	.926	.941	.963	1.001	1.012
15.039	1.018	.987	.930	.896	.896	.919	.946	.958



## P/PINF

X/D	CONFIGURATION			ANGLE OF ATTACK		1.02		MACH NUMBER		4.50	
	TOTAL PRESSURE			72.22		DYNAMIC PRESSURE		3.537		STATIC PRESSURE	
	TOTAL TEMPERATURE			96.0		REYNOLDS NO.		4.13E+05			
	ROLL ANGLE			60		90		120		150	
	0			15		30		60		90	
2.411	1.288	1.292	1.299	1.325	1.364	1.397	1.429	1.444	1.449	1.444	1.449
4.333	1.287	1.293	1.301	1.325	1.359	1.403	1.439	1.453	1.463	1.453	1.463
4.829	.909	.905	.900	.890	.884	.884	.904	.912	.924	.912	.924
5.077					.836	.854	.871	.878	.893	.878	.893
5.325	.815	.821	.820	.825	.835	.858	.875	.883	.892	.883	.892
5.821	.817	.817	.818	.825	.834	.856	.868	.877	.873	.877	.873
6.566					.869	.878	.887	.895	.895	.895	.895
7.558					.889	.900	.903	.908	.907	.908	.907
8.510	.913	.909	.909	.913	.911	.908	.913	.917	.916	.917	.916
9.542	.919	.924	.921	.924	.925	.937	.943	.947	.950	.947	.950
11.512	.983	.981	.974	.966	.948	.939	.955	.961	.966	.961	.966
12.008	.968	.972	.966	.962	.953	.956	.974	.979	.982	.979	.982
12.256	1.010	1.008	.999	1.007	.998	1.028	1.092	1.052	.998	1.052	.998
12.504	1.312	1.324	1.338	1.387	1.409	1.455	1.440	1.476	1.460	1.476	1.460
13.000	1.431	1.446	1.470	1.536	1.597	1.657	1.657	1.678	1.664	1.678	1.664
13.799	1.535	1.531	1.535	1.559	1.601	1.633	1.656	1.659	1.650	1.659	1.650
14.171	1.532	1.536	1.540	1.559	1.587	1.608	1.642	1.645	1.636	1.645	1.636
14.543	1.093	1.084	1.053	1.035	1.052	1.047	1.060	1.071	1.092	1.071	1.092
14.791	1.043	1.030	.999	.968	.978	.974	.982	.989	1.011	.989	1.011
15.039	1.001	.989	.966	.933	.931	.930	.935	.943	.946	.943	.946

# P/PINF

CONFIGURATION 10 ANGLE OF ATTACK 0.00 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.19 DYNAMIC PRESSURE 3.535 STATIC PRESSURE .249  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.13E+05

X/D	ROLL ANGLE				MACH NUMBER			
	0	15	30	60	90	120	150	180
2.411	1.373	1.377	1.376	1.376	1.370	1.356	1.350	1.355
4.333	1.373	1.375	1.373	1.374	1.372	1.366	1.366	1.372
4.829	.918	.918	.913	.911	.901	.887	.891	.894
5.077					.842	.847	.845	.853
5.325	.845	.846	.841	.844	.848	.846	.845	.846
5.821	.842	.843	.843	.846	.844	.841	.837	.834
6.566					.873	.864	.859	.861
7.558					.897	.890	.881	.881
8.550	.921	.921	.921	.929	.919	.900	.899	.899
9.542	.929	.936	.935	.938	.935	.933	.933	.938
11.512	.985	.987	.982	.974	.962	.951	.956	.958
12.008	.972	.976	.976	.974	.966	.970	.971	.977
12.256	.997	.997	.990	.989	.991	.971	.999	.977
12.504	1.399	1.398	1.400	1.409	1.403	.971	.999	1.003
13.000	1.549	1.562	1.562	1.571	1.588	1.390	1.379	1.377
13.799	1.604	1.604	1.601	1.600	1.603	1.585	1.567	1.569
14.171	1.600	1.604	1.600	1.597	1.594	1.594	1.587	1.591
14.543	1.080	1.081	1.072	1.068	1.071	1.569	1.566	1.571
14.791	1.017	1.010	1.004	.997	.999	1.077	1.081	1.081
15.039	.973	.970	.965	.959	.949	1.004	1.009	1.012
						.946	.950	.951

## P/PINF

CONFIGURATION 10 ANGLE OF ATTACK -1.02 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.20 DYNAMIC PRESSURE 3.536 STATIC PRESSURE .249  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.13E+05

X/D	ROLL ANGLE				MACH NUMBER			
	0	15	30	90	120	150	165	180
2.411	1.486	1.481	1.465	1.430	1.307	1.285	1.286	1.286
4.333	1.472	1.464	1.456	1.416	1.321	1.288	1.281	1.283
4.829	.932	.933	.930	.910	.860	.870	.876	.881
5.077					.824	.828	.831	.839
5.325	.871	.876	.870	.850	.828	.826	.822	.826
5.821	.878	.875	.872	.858	.822	.818	.817	.813
6.566					.848	.842	.842	.843
7.558					.874	.866	.864	.865
8.550	.939	.934	.935	.930	.885	.885	.883	.884
9.542	.942	.943	.942	.935	.918	.919	.922	.924
11.512	.994	.989	.985	.968	.933	.945	.947	.953
12.008	.986	.987	.979	.968	.958	.966	.966	.970
12.256	1.096	1.041	1.002	1.000	1.057	.998	1.003	1.013
12.504	1.488	1.528	1.523	1.484	1.344	1.324	1.299	1.287
13.000	1.689	1.692	1.687	1.649	1.556	1.478	1.448	1.437
13.799	1.693	1.682	1.672	1.644	1.567	1.523	1.515	1.517
14.171	1.697	1.680	1.669	1.638	1.547	1.509	1.498	1.499
14.543	1.073	1.077	1.073	1.053	1.019	1.048	1.083	1.096
14.791	.995	.999	.994	.977	.953	.992	1.026	1.039
15.039	.962	.958	.958	.945	.911	.945	.973	.978

# P/PINF

CONFIGURATION 10 ANGLE OF ATTACK -2.03 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.21 DYNAMIC PRESSURE 3.537 STATIC PRESSURE .249  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.13E+05

X/D	ROLL ANGLE				
	0	15	30	60	90
2.411	1.616	1.611	1.579	1.477	1.343
4.333	1.578	1.569	1.549	1.451	1.351
4.829	.978	.975	.964	.913	.855
5.077					.811
5.325	.928	.924	.911	.863	.815
5.821	.926	.924	.911	.862	.816
6.566					.837
7.558					.859
8.550	.971	.966	.960	.923	.869
9.542	.966	.971	.955	.922	.879
11.512	1.016	1.014	.998	.953	.909
12.008	1.008	1.008	.989	.948	.917
12.256	1.176	1.026	1.032	.983	.944
12.504	1.553	1.601	1.582	1.495	1.420
13.000	1.760	1.750	1.725	1.641	1.576
13.799	1.761	1.735	1.713	1.638	1.558
14.171	1.763	1.741	1.718	1.634	1.546
14.543	1.078	1.115	1.088	1.047	1.009
14.791	1.006	1.026	1.007	.964	.934
15.039	.976	.984	.969	.930	.893
					.875
					.912
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					1.504
					1.473
					.988
					.918
					.875
					.912
					.954
					1.006
					1.040
					1.012
					1.447
					1.455
					1.391
					1.311
					1.343
					.995
					.970
					.951
</					

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER	
	TOTAL PRESSURE	10	DYNAMIC PRESSURE	REYNOLDS NO.	STATIC PRESSURE	4.50
	TOTAL TEMPERATURE	96.0			4.13E+05	.249
	0	15	30	ROLL ANGLE		180
				60	90	
2.411	1.935	1.901	1.848	1.582	1.286	1.120
4.333	1.851	1.818	1.758	1.528	1.286	1.085
4.829	1.123	1.111	1.068	.937	.788	.803
5.077					.750	.775
5.325	1.072	1.059	1.020	.888	.754	.763
5.821	1.069	1.057	1.018	.881	.746	.746
6.566					.752	.761
7.558					.760	.816
8.550	1.075	1.063	1.025	.885	.750	.873
9.542	1.060	1.054	1.005	.872	.745	.905
11.512	1.098	1.083	1.032	.878	.767	.916
12.008	1.079	1.073	1.015	.870	.776	.928
12.256	1.201	1.183	1.137	1.009	.811	.960
12.504	1.786	1.758	1.673	1.381	1.177	1.261
13.000	1.932	1.907	1.826	1.556	1.355	1.332
13.799	1.940	1.915	1.833	1.578	1.383	1.365
14.171	1.952	1.928	1.844	1.501	1.382	1.337
14.543	1.159	1.142	1.082	.938	.914	.949
14.791	1.090	1.077	1.030	.888	.836	.917
15.039	1.071	1.059	1.015	.877	.798	.885

P/PINF

(Minus Roll Angles)

CONFIGURATION 10 ANGLE OF ATTACK 0.00 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.90 DYNAMIC PRESSURE 8.014 STATIC PRESSURE 3.738  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 4.59E+05

	360	345	330	300	270	240	210	195	180
X/D									
2.411	1.107	1.107	1.107	1.104	1.119	1.131	1.133	1.132	1.130
4.333	1.104	1.106	1.107	1.103	1.112	1.120	1.120	1.118	1.114
4.829	.862	.862	.862	.860	.869	.873	.874	.874	.871
5.077					.898	.899	.902	.902	.897
5.325	.916	.916	.915	.913	.918	.920	.924	.924	.922
5.821	.946	.947	.944	.941	.944	.945	.949	.950	.948
6.566					.973	.971	.974	.975	.973
7.558					.998	.998	1.001	1.005	.999
8.550	1.007	1.009	1.014	1.015	1.016	1.012	1.006	.999	1.000
9.542	.997	.999	1.007	1.003	1.013	1.020	1.017	1.013	1.007
11.512	1.006	1.007	1.007	1.005	1.008	1.010	1.014	1.014	1.010
12.008	1.036	1.008	1.007	1.003	1.005	1.008	1.013	1.016	1.012
12.256	1.039	1.044	1.044	1.039	1.033	1.037	1.043	1.045	1.044
12.504	1.268	1.274	1.272	1.271	1.268	1.268	1.269	1.270	1.266
13.000	.229	1.231	1.230	1.226	1.228	1.229	1.231	1.231	1.228
13.799	1.183	1.186	1.186	1.187	1.192	1.201	1.195	1.190	1.190
14.171	1.195	1.190	1.192	1.194	1.194	1.183	1.181	1.179	1.176
14.543	.890	.895	.898	.899	.899	.901	.901	.901	.903
14.791	.899	.907	.916	.915	.903	.897	.899	.902	.904
15.039	.723	.926	.927	.927	.909	.881	.883	.887	.886

## P/PINF

(Minus Roll Angles)

CONFIGURATION 10 ANGLE OF ATTACK 8.38 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.89 DYNAMIC PRESSURE 8.008 STATIC PRESSURE 3.735  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 4.59E+05

X/D	ROLL ANGLE					(Minus Roll Angles)				
	360	345	330	300	270	240	210	195	180	
2.411	1.025	1.016	1.010	.978	1.005	1.131	1.258	1.294	1.304	
4.333	1.025	1.020	1.016	.984	1.000	1.119	1.246	1.279	1.286	
4.829	.785	.824	.820	.758	.766	.864	.965	.995	1.002	
5.077					.788	.878	.982	1.011	1.016	
5.325	.894	.888	.878	.822	.795	.889	.995	1.025	1.034	
5.821	.945	.938	.927	.867	.802	.886	.996	1.028	1.039	
6.566					.826	.885	.996	1.027	1.036	
7.558					.864	.896	.996	1.027	1.034	
8.550	1.000	.966	.958	.931	.904	.922	1.004	1.034	1.044	
9.542	.989	.952	.951	.960	.905	.933	1.021	1.053	1.059	
11.512	.995	.955	.962	.963	.913	.940	1.027	1.053	1.060	
12.008	.993	.958	.964	.963	.914	.943	1.034	1.061	1.066	
12.256	.994	.965	1.020	1.055	.920	.937	1.026	1.053	1.064	
12.504	1.337	1.283	1.175	1.154	1.193	1.229	1.344	1.382	1.390	
13.000	1.172	1.123	1.129	1.133	1.116	1.211	1.323	1.357	1.365	
13.799	1.149	1.077	1.078	1.099	1.087	1.187	1.308	1.339	1.347	
14.171	1.151	1.084	1.082	1.098	1.094	1.179	1.304	1.338	1.346	
14.543	.825	.770	.815	.828	.809	.880	.976	1.011	1.023	
14.791	.816	.789	.870	.864	.813	.888	.987	1.017	1.026	
15.039	.801	.847	.891	.881	.804	.878	.971	.997	1.001	

P/PINF

(Minus Roll Angles)

X/D	CONFIGURATION		10		ANGLE OF ATTACK		0.00		MACH NUMBER		3.00	
	TOTAL PRESSURE	36.28	DYNAMIC PRESSURE	REYNOLDS NO.	300	270	6-222	4.47E+05	STATIC PRESSURE			
	TOTAL TEMPERATURE	99.0										
	360	345	330	300	270	240	210	195	180			
2.411	1.194	1.192	1.192	1.190	1.202	1.221	1.219	1.220	1.222			
4.333	1.205	1.207	1.206	1.206	1.208	1.207	1.202	1.200	1.204			
4.829	.866	.864	.866	.867	.865	.863	.858	.857	.858			
5.077						.845	.841	.841	.841			
5.325	.852	.851	.852	.849	.849	.854	.854	.849	.849			
5.821	.882	.878	.879	.877	.875	.875	.869	.870	.869			
6.566					.905	.905	.904	.904	.909			
7.558					.937	.935	.930	.931	.934			
8.550	.956	.957	.958	.958	.954	.948	.947	.944	.944			
9.542	.958	.957	.955	.956	.959	.967	.967	.967	.967			
11.512	.980	.978	.982	.977	.974	.976	.978	.979	.980			
12.008	.980	.980	.979	.978	.984	.995	.994	.995	.995			
12.256	.988	.986	.988	.994	.987	.990	.990	.989	.990			
12.504	1.346	1.339	1.342	1.340	1.343	1.345	1.339	1.337	1.337			
13.000	1.388	1.386	1.388	1.391	1.394	1.399	1.393	1.391	1.390			
13.799	1.354	1.354	1.355	1.358	1.357	1.353	1.346	1.341	1.344			
14.171	1.339	1.337	1.339	1.339	1.330	1.337	1.328	1.320	1.323			
14.543	.947	.945	.944	.948	.958	.971	.966	.964	.965			
14.791	.909	.908	.907	.907	.910	.913	.913	.910	.913			
15.039	.897	.892	.890	.896	.886	.875	.873	.872	.874			



P/PINF

(Minus Roll Angle)

CONFIGURATION 10 36.27 8.38 MACH NUMBER 3.00  
 TOTAL PRESSURE 99.0 ANGLE OF ATTACK DYNAMIC PRESSURE 6.221 STATIC PRESSURE .987  
 TOTAL TEMPERATURE REYNOLDS NO. 4.47E+05

	360	345	330	300	270	240	210	195	180
X/D									
2.411	.993	.976	.966	.878	.948	1.298	1.608	1.714	1.741
4.333	.989	.976	.972	.886	.960	1.293	1.602	1.700	1.729
4.829	.726	.752	.735	.628	.657	.888	1.100	1.172	1.189
5.077					.655	.880	1.100	1.178	1.194
5.325	.733	.729	.725	.634	.639	.843	1.103	1.179	1.197
5.821	.787	.771	.758	.664	.625	.848	1.091	1.169	1.185
6.566					.607	.845	1.076	1.155	1.173
7.558					.573	.815	1.052	1.131	1.155
8.550	.905	.814	.789	.784	.596	.799	1.041	1.121	1.143
9.542	.909	.791	.763	.796	.658	.778	1.029	1.116	1.137
11.512	.928	.791	.775	.831	.776	.746	1.003	1.093	1.118
12.008	.918	.792	.782	.835	.790	.758	1.017	1.111	1.133
12.256	.929	.811	.812	.856	.797	.756	1.000	1.091	1.112
12.504	1.410	1.215	1.066	1.106	1.138	1.180	1.541	1.675	1.709
13.000	1.447	1.163	.973	1.082	1.087	1.238	1.546	1.672	1.706
13.799	1.303	1.011	1.036	1.062	1.043	1.295	1.560	1.674	1.703
14.171	1.257	1.037	1.035	1.084	1.036	1.312	1.576	1.685	1.712
14.543	.773	.641	.735	.805	.701	.890	1.074	1.144	1.162
14.791	.749	.641	.749	.774	.660	.852	1.042	1.108	1.129
15.039	.739	.660	.770	.773	.656	.851	1.046	1.115	1.134

(Old Reynolds Number)

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		0.00	MACH NUMBER	1.75
	TOTAL PRESSURE	TOTAL TEMPERATURE	7.00	89.0	DYNAMIC PRESSURE	REYNOLDS NO.			
2.411	1.112		1.116		1.114	1.121	1.126	1.129	1.121
4.034	1.110		1.110		1.110	1.123	1.121	1.128	1.114
4.829	.072		.075		.074	.077	.074	.079	.075
5.077						.902	.898	.904	.897
5.325	.915		.917		.916	.919	.910	.923	.920
5.821	.946		.949		.948	.950	.945	.950	.947
6.566						.978	.975	.981	.982
7.358						1.015	1.007	1.008	.998
8.950	1.010		1.022		1.024	1.020	1.016	1.013	1.005
9.542	1.000		1.013		1.016	1.024	1.020	1.031	1.014
11.512	1.012		1.017		1.014	1.015	1.010	1.019	1.015
12.000	1.011		1.014		1.010	1.017	1.020	1.030	1.021
12.256	1.069		1.071		1.063	1.068	1.071	1.081	1.074
12.504	1.275		1.204		1.202	1.200	1.200	1.270	1.273
13.000	1.235		1.241		1.240	1.236	1.230	1.237	1.231
13.799	1.192		1.202		1.204	1.203	1.204	1.203	1.191
14.171	1.189		1.195		1.196	1.190	1.205	1.200	1.192
14.543	.907		.909		.908	.925	.932	.933	.932
14.791	.905		.909		.906	.914	.906	.906	.912
15.039	.917		.922		.922	.910	.881	.885	.888

## P/PINF

(Odd Reynolds Number)

CONFIGURATION 10 ANGLE OF ATTACK 8.15 HACH NUMBER 1.75  
 TOTAL PRESSURE 7.86 DYNAMIC PRESSURE 3.167 STATIC PRESSURE 1.477  
 TOTAL TEMPERATURE 99.0 REYNOLDS NO. 1.81E+05

X/C	ROLL ANGLE							
	0	15	30	60	90	120	150	180
2.411	1.035		1.025	.999	1.018	1.113	1.233	1.289
4.333	1.043		1.036	1.000	1.015	1.108	1.231	1.284
4.829	.817		.834	.780	.786	.860	.952	.998
5.077					.800	.876	.970	1.015
5.325	.900		.884	.826	.806	.881	.981	1.030
5.821	.952		.935	.879	.821	.885	.984	1.034
6.566					.851	.887	.984	1.034
7.558					.896	.914	.996	1.048
8.550	1.008		.980	.970	.917	.934	1.007	1.049
9.542	.997		.968	.966	.926	.948	1.012	1.068
11.512	1.002		.977	.971	.924	.943	1.020	1.063
12.008	.995		.976	.973	.931	.957	1.036	1.076
12.256	1.002		1.051	1.060	.959	.957	1.033	1.071
12.504	1.353		1.186	1.171	1.207	1.241	1.346	1.402
13.000	1.174		1.142	-1.146	1.130	1.215	1.315	1.367
13.799	1.154		1.102	1.112	1.109	1.201	1.312	1.353
14.171	1.134		1.091	1.100	1.111	1.201	1.322	1.373
14.543	.830		.846	.834	.830	.893	.981	1.037
14.791	.820		.875	.853	.816	.868	.956	1.011
15.039	.815		.893	.880	.814	.852	.935	.986

P/PINF

(Odd Reynolds Number)

CONFIGURATION 10 ANGLE OF ATTACK 0.69 MACH NUMBER 1.75  
 TOTAL PRESSURE 13.65 DYNAMIC PRESSURE 5.499 STATIC PRESSURE 2.565  
 TOTAL TEMPERATURE 89.0 REYNOLDS NO. 3.15E+05

X/D	ROLL ANGLE							
	0	15	30	60	90	120	150	180
2.411	1.109	1.109	1.112	1.114	1.118	1.128	1.130	1.128
4.333	1.109	1.112	1.112	1.117	1.112	1.114	1.115	1.112
4.829	.863	.864	.866	.869	.866	.869	.872	.871
5.077					.895	.899	.903	.901
5.325	.915	.916	.917	.918	.916	.921	.923	.924
5.821	.941	.943	.946	.946	.944	.947	.950	.948
6.566					.969	.973	.977	.975
7.558					1.003	1.007	1.008	.997
8.550	1.007	1.008	1.018	1.020	1.015	1.013	1.008	1.001
9.542	.997	1.001	1.009	1.012	1.014	1.022	1.022	1.012
11.512	1.008	1.008	1.011	1.012	1.009	1.012	1.012	1.013
12.008	1.008	1.008	1.009	1.008	1.007	1.017	1.019	1.019
12.256	1.051	1.049	1.049	1.042	1.044	1.058	1.060	1.055
12.504	1.272	1.271	1.276	1.276	1.268	1.271	1.271	1.269
13.000	1.233	1.235	1.236	1.236	1.230	1.233	1.232	1.231
13.799	1.189	1.192	1.195	1.194	1.197	1.198	1.193	1.187
14.171	1.192	1.194	1.197	1.202	1.195	1.193	1.191	1.186
14.543	.896	.895	.896	.898	.907	.924	.922	.920
14.791	.901	.901	.902	.901	.908	.910	.906	.909
15.039	.922	.923	.920	.921	.907	.882	.880	.883
								0.000

P/° INF

X/D	CONFIGURATION					ANGLE OF ATTACK					ROLL ANGLE					(Odd Reynolds Number)				
	TOTAL PRESSURE					10					60					8.26				
	TOTAL TEMPERATURE					13.94					90					5.612				
	89.0					REYNOLDS NO.					3.21E+05					MACH NUMBER				
	1.023					1.019					1.014					1.246				
	1.029					1.027					1.002					1.228				
	.790					.829					.773					.950				
	5.077					.889					.793					.971				
	5.225					.916					.801					.981				
	5.821					.976					.810					.985				
	6.566					.970					.838					.983				
	7.550					.975					.885					.988				
	8.550					.951					.909					1.004				
	9.542					.956					.913					1.008				
	11.512					.954					.918					1.018				
	12.008					.963					.919					1.027				
	12.256					1.037					1.054					1.019				
	12.504					1.253					1.159					1.232				
	13.040					1.107					1.136					1.210				
	13.799					1.068					1.102					1.182				
	14.171					1.057					1.100					1.196				
	14.543					.779					.818					.887				
	14.791					.793					.849					.872				
	15.039					.857					.876					.852				

X/D	P/PINF									
	CONFIGURATION				(Odd Reynolds Number)					
	TOTAL PRESSURE		TOTAL TEMPERATURE		ANGLE OF ATTACK		MACH NUMBER		STATIC PRESSURE	
	10	14.47	10	14.47	DYNAMIC PRESSURE	0.00	2.482	0.00	2.482	3.00
	99.0	99.0	REYNOLDS NO.							
	0	15	30	ROLL ANGLE	60	90	120	150	180	
2.411	1.210	1.206	1.212	1.210	1.212	1.213	1.221	1.212	1.213	
4.333	1.215	1.224	1.205	1.207	1.211	1.215	1.211	.120	1.202	
4.829	1.086	.882	.881	.869	.878	.870	.872	.864	.865	
5.077					.870	.859	.866	.860	.862	
5.325	.865	.865	.865	.867	.867	.868	.857	.864	.866	
5.821	.879	.883	.882	.888	.883	.878	.880	.878	.887	
6.566					.917	.920	.914	.911	.912	
7.558					.947	.940	.940	.940	.933	
8.550	.967	.968	.967	.971	.965	.960	.962	.954	.956	
9.542	.977	.973	.974	.969	.975	.976	.976	.975	.974	
11.512	.995	1.000	.999	.997	.999	.997	1.003	.996	.999	
12.008	1.000	.997	1.000	.997	1.006	1.009	1.012	1.012	1.013	
12.256	1.016	1.015	1.029	1.027	1.021	1.024	1.026	1.032	1.036	
12.504	1.329	1.337	1.341	1.344	1.350	1.352	1.355	1.353	1.359	
13.000	1.399	1.397	1.411	1.412	1.413	1.404	1.402	1.401	1.402	
13.799	1.362	1.366	1.367	1.366	1.370	1.358	1.356	1.355	1.349	
14.171	1.356	1.360	1.361	1.367	1.358	1.343	1.347	1.340	1.346	
14.543	.979	.979	.981	.984	.987	.982	.966	.985	.974	
14.791	.929	.930	.932	.930	.929	.929	.927	.927	.928	
15.039	.911	.919	.919	.917	.900	.886	.893	.892	.898	

## P/PINF

(Odd Reynolds Number)

CONFIGURATION 10 ANGLE OF ATTACK 8.16 MACH NUMBER 3.00  
 TOTAL PRESSURE 14.46 DYNAMIC PRESSURE 2.480 STATIC PRESSURE .393  
 TOTAL TEMPERATURE 99.0 REYNOLDS NO. 1.78E+05

X/D	ROLL ANGLE									
	0	15	30	60	90	120	150	165	180	
2.411	1.006	.962	.969	.945	.999	1.200	1.577	1.670	1.713	
4.333	1.011	.974	.969	.910	.998	1.302	1.588	1.603	1.721	
4.829	.735	.765	.735	.653	.696	.904	1.113	1.174	1.207	
5.077					.683	.896	1.109	1.171	1.205	
5.325	.748	.739	.737	.683	.676	.892	1.102	1.170	1.199	
5.821	.793	.771	.759	.698	.664	.874	1.091	1.156	1.195	
6.556					.653	.858	1.073	1.145	1.182	
7.558					.667	.838	1.062	1.134	1.162	
8.550	.912	.837	.791	.765	.720	.816	1.050	1.115	1.158	
9.542	.915	.813	.803	.786	.741	.803	1.034	1.110	1.152	
11.512	.920	.827	.818	.834	.792	.807	1.019	1.092	1.137	
12.008	.916	.832	.828	.848	.800	.823	1.025	1.105	1.148	
12.256	.940	.886	.916	.902	.871	.876	1.031	1.096	1.203	
12.504	1.387	1.192	1.064	1.107	1.068	1.203	1.505	1.625	1.673	
13.000	1.449	1.139	1.069	1.094	1.100	1.263	1.540	1.646	1.713	
13.799	1.368	1.029	1.034	1.086	1.068	1.279	1.553	1.659	1.719	
14.171	1.242	1.041	1.052	1.109	1.070	1.292	1.577	1.678	1.738	
14.543	.769	.695	.757	.816	.734	.891	1.096	1.176	1.195	
14.791	.741	.727	.763	.794	.701	.853	1.048	1.127	1.160	
15.039	.735	.758	.762	.804	.701	.839	1.039	1.108	1.150	

# P/PINF

(Odd Reynolds Number)

CONFIGURATION 10 25.30 ANGLE OF ATTACK 0.00 MACH NUMBER 3.00  
TOTAL PRESSURE 99.0 DYNAMIC PRESSURE 4.339 STATIC PRESSURE .688  
TOTAL TEMPERATURE 99.0 REYNOLDS NO. 3.11E+05

X/D	ROLL ANGLE									
	0	15	30	60	90	120	150	165	180	
2.411	1.202	1.200	1.201	1.200	1.205	1.211	1.212	1.211	1.213	
4.333	1.204	1.202	1.201	1.203	1.209	1.215	1.205	1.207	1.198	
4.829	.875	.873	.875	.874	.876	.872	.869	.866	.868	
5.077					.872	.847	.843	.844	.850	
5.325	.850	.850	.852	.850	.854	.852	.850	.846	.849	
5.821	.881	.886	.882	.879	.877	.871	.872	.869	.872	
6.566					.907	.905	.906	.904	.905	
7.558					.943	.941	.939	.946	.937	
8.550	.954	.962	.963	.960	.958	.952	.950	.949	.951	
9.542	.962	.959	.960	.954	.959	.963	.965	.964	.967	
11.512	.987	.987	.985	.983	.980	.980	.984	.983	.984	
12.008	.985	.983	.983	.981	.987	.992	.994	.992	.995	
12.256	.993	.993	.993	.992	.997	.998	1.000	1.001	1.001	
12.504	1.334	1.340	1.342	1.343	1.335	1.320	1.326	1.326	1.329	
13.000	1.389	1.388	1.392	1.395	1.393	1.392	1.385	1.383	1.385	
13.799	1.353	1.350	1.355	1.359	1.355	1.346	1.343	1.344	1.339	
14.171	1.340	1.341	1.343	1.347	1.342	1.328	1.324	1.324	1.327	
14.543	.957	.955	.959	.963	.967	.966	.968	.970	.974	
14.791	.913	.914	.924	.921	.918	.915	.916	.917	.923	
15.039	.900	.912	.905	.906	.887	.870	.876	.877	.881	



## P/PINE

(Old Reynolds Number)

CONFIGURATION 10 25.29 3.00  
 TOTAL PRESSURE 99.0 REYNOLDS NO. 3.11E+05  
 TOTAL TEMPERATURE 99.0

	0	15	30	ROLL ANGLE 60 90	120	150	165	180
X/D								
2.411	1.003	.987	.967	.887	.968	1.278	1.585	1.724
4.333	.999	.978	.968	.889	.967	1.277	1.584	1.720
4.829	.738	.758	.740	.642	.676	.879	1.095	1.196
5.077					.670	.871	1.087	1.188
5.325	.740	.733	.729	.644	.653	.868	1.090	1.192
5.821	.791	.780	.761	.671	.638	.849	1.077	1.192
5.566					.616	.829	1.060	1.163
7.558					.611	.810	1.051	1.152
8.550	.910	.821	.795	.791	.635	.789	1.031	1.143
9.542	.911	.795	.784	.804	.646	.769	1.018	1.134
11.512	.927	.802	.800	.846	.777	.752	1.000	1.121
12.908	.923	.806	.809	.846	.789	.767	1.008	1.131
12.256	.929	.835	.874	.881	.802	.761	.995	1.112
12.504	1.395	1.189	1.049	1.116	1.115	1.159	1.512	1.695
13.000	1.438	1.096	1.024	1.104	1.089	1.216	1.525	1.696
13.799	1.302	.994	1.046	1.069	1.050	1.258	1.535	1.697
14.171	1.264	1.005	1.058	1.088	1.047	1.209	1.556	1.711
14.563	.792	.659	.755	.810	.714	.878	1.071	1.173
14.791	.754	.686	.761	.778	.674	.833	1.031	1.131
15.039	.743	.727	.778	.784	.669	.822	1.028	1.131

P/PINF

(Odd Reynolds Number)

CONFIGURATION 10 ANGLE OF ATTACK 0.00 MACH NUMBER 4.50  
 TOTAL PRESSURE 50.53 DYNAMIC PRESSURE 2.475 STATIC PRESSURE .175  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 2.89E+05

X/D	0	15	30	ROLL ANGLE		120	150	180
				60	90			
2.411	1.375							1.359
4.333	1.373							1.386
4.829	.925							.902
5.077								.855
5.325	.838							.829
5.821	.858							.848
6.566								.865
7.558								.897
8.550								.905
9.542	.930							.930
11.512	.927							1.004
12.008	1.023							1.102
12.210	1.101							1.166
12.504	1.154							1.220
13.000	1.245							1.403
13.799	1.420							1.500
14.171	1.535							1.506
14.543	1.565							1.063
14.791	1.074							.988
15.039	.995							.934
	.954							



P/PINH

(Old Reynolds Number)

CONFIGURATION TOTAL PRESSURE TOTAL TEMPERATURE 10 20.95 96.0 ANGLE OF ATTACK DYNAMIC PRESSURE REYNOLDS NO. 0.00 MACH NUMBER STATIC PRESSURE 1.410 1.65E+05 1.50 .100

ROLL. ANGLE  
60 90

180

165

150

120

90

60

30

15

0

X/D

2.411 1.377 1.374  
4.323 1.390 1.367  
4.629 .957 .929  
5.077 .906 .900  
5.325 .867 .872  
5.621 .866 .866  
6.566 .906 .906  
7.558 .903 .903  
8.550 .950 .950  
9.542 1.053 1.053  
11.512 1.154 1.154  
12.008 1.167 1.167  
12.256 1.212 1.212  
12.504 1.324 1.324  
13.000 1.447 1.447  
13.799 1.429 1.429  
14.171 1.007 1.007  
14.543 .993 .993  
14.791 .950 .950  
15.039

(Odd Reynolds Number)

[illegible]

**(No Grit)**

	ROLL ANGLE	
0	15	30
	60	90
	120	150
	180	165

X/D		
2.411	1.359	1.382
4.333	1.388	1.370
4.829	.907	.886
5.077		.853
5.325	.860	.847
5.821	.837	.844
6.566		.883
7.558		.882
8.550	.920	.901
9.542	.935	.938
11.512	.986	.967
12.008	1.071	1.067
12.256	1.159	1.134
12.504	1.266	1.273
13.000	1.453	1.468
13.799	1.571	1.535
14.171	1.589	1.553
14.543	1.055	1.064
14.791	1.010	.987
15.039	.950	.944

## P/PINF

(No Grit)											
X/D	CONFIGURATION		0	ANGLE OF ATTACK			8.22	MACH NUMBER			
	TOTAL PRESSURE	TOTAL TEMPERATURE		-10	72.14	DYNAMIC PRESSURE		3.533	STATIC PRESSURE		
										96.0	REYNOLDS NO.
			15	30	60	90	120	150	180		
	</										

P/PINF

(No Grit)

CONFIGURATION --10 ANGLE OF ATTACK .01 MACH NUMBER 3.00  
TOTAL PRESSURE 36.32 DYNAMIC PRESSURE 6.229 STATIC PRESSURE .988  
TOTAL TEMPERATURE 99.0 REYNOLDS NO. 4.47E+05

ROLL ANGLE

0 15 30 60 90 120 150 165 180

X/D

2.411 1.195  
4.333 1.188  
4.829 .845  
5.077 .848  
5.325 .875  
5.821  
6.566  
7.558  
8.550  
9.542  
11.512  
12.008  
12.256  
12.504  
13.000  
13.799  
14.171  
14.543  
14.791  
15.039

1.198  
1.192  
.838  
.830  
.850  
.868  
.895  
.925  
.945  
.949  
.976  
.982  
1.001  
1.425  
1.424  
1.354  
1.349  
.931  
.893  
.876



Table VL Configuration 17 Basic Data  
P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		1.75	
	TOTAL PRESSURE	17	DYNAMIC PRESSURE	12.50	60	90	STATIC PRESSURE	165	180	3.719
	TOTAL TEMPERATURE	96.0	REYNOLDS NO.	4.49E+05						
		0	15	30	60	90	120	150	165	180
2.411	.990	.953	.954	.882	.829	.815	1.072	1.334	1.415	1.443
4.333	1.006	.947	.960	.882	.815	.815	1.039	1.297	1.378	1.402
4.829	.768	.747	.786	.687	.627	.627	.815	1.034	1.107	1.132
5.077	.812	.781	.808	.734	.633	.633	.831	1.050	1.119	1.142
5.325	.859	.817	.811	.757	.624	.624	.824	1.050	1.122	1.149
5.821	.919	.862	.859	.793	.607	.607	.809	1.046	1.118	1.145
6.566					.610	.610	.789	1.034	1.110	1.135
7.558	.990	.837	.853	.871	.722	.722	.766	1.017	1.095	1.120
8.550	.993	.816	.856	.891	.801	.801	.778	1.020	1.103	1.132
9.542	.973	.810	.874	.890	.817	.817	.822	1.030	1.108	1.132
11.402	.960	.863	.893	.895	.806	.806	.852	1.054	1.132	1.155
12.146	.937	.868	.897	.895	.820	.820	.854	1.060	1.138	1.158
12.766	.974	.882	.895	.896	.830	.830	.853	1.051	1.123	1.149
13.014	.972	.882	.902	.906	.804	.804				
13.262	.979	.891	1.021	1.056	.948	.948	.878	1.069	1.145	1.170
13.510	1.447	1.270	1.177	1.148	1.166	1.166	1.238	1.488	1.577	1.600
13.758	1.481	1.173	1.110	1.119	1.115	1.115	1.247	1.487	1.582	1.613
14.006	1.444	.990	1.031	1.084	1.071	1.071	1.264	1.485	1.571	1.594
14.502	1.180	.947	1.039	1.074	1.027	1.027	1.242	1.477	1.558	1.591
14.998	1.216	.914	1.012	1.062	1.005	1.005	1.216	1.465	1.547	1.578

P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 10.44 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.80 DYNAMIC PRESSURE 7.973 STATIC PRESSURE 3.719  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.49E+05

X/D	KOLL ANGLE							
	0	15	30	60	90	120	150	180
2.411	1.015	.995	.984	.931	.922	1.093	1.287	1.350
4.333	1.014	1.000	.990	.923	.903	1.064	1.252	1.315
4.829	.773	.806	.802	.714	.697	.832	.992	1.048
5.077	.857	.818	.821	.751	.710	.850	1.011	1.063
5.325	.876	.860	.847	.774	.705	.847	1.014	1.070
5.821	.934	.910	.893	.827	.702	.838	1.013	1.068
6.566					.727	.824	1.006	1.065
7.558	1.000	.920	.913	.913	.790	.822	.994	1.074
8.550	1.013	.892	.910	.925	.836	.862	1.005	1.085
9.542	.993	.868	.914	.924	.852	.888	1.024	1.084
11.402	.978	.906	.930	.930	.857	.893	1.038	1.098
12.146	.979	.909	.928	.929	.863	.899	1.045	1.105
12.766	.990	.928	.931	.931	.868	.895	1.035	1.090
13.014	.989	.926	.939	.943	.862			
13.262	.991	.941	1.074	1.105	.970	.920	1.058	1.116
13.510	1.468	1.330	1.216	1.191	1.224	1.284	1.465	1.532
13.758	1.528	1.221	1.162	1.166	1.177	1.287	1.459	1.533
14.006	1.311	1.087	1.125	1.139	1.133	1.293	1.454	1.519
14.502	1.256	1.042	1.097	1.130	1.097	1.258	1.441	1.501
14.998	1.227	1.017	1.075	1.110	1.079	1.230	1.420	1.486

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER			
	TOTAL PRESSURE	17	DYNAMIC PRESSURE	REYNOLDS NO.	60	90	120	150	165	180
	TOTAL TEMPERATURE	19.80	96.0				8.36	STATIC PRESSURE		1.75
							7.973	4.49E+05		3.719

P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 6.27 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.80 DYNAMIC PRESSURE 7.773 STATIC PRESSURE 3.719  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.49E+05

X/D	ROLL ANGLE				165	180
	0	15	30	90		
2.411	1.054	1.053	1.041	1.032	1.209	1.251
4.333	1.055	1.055	1.041	1.029	1.181	1.219
4.829	.841	.839	.819	.801	.931	.972
5.077	.875	.868	.853	.824	.955	.989
5.325	.903	.898	.881	.830	.964	1.002
5.821	.953	.949	.931	.849	.971	1.010
6.566				.882	.976	1.016
7.558	1.012	1.002	.984	.919	.985	1.025
8.550	1.018	1.001	.983	.937	1.003	1.036
9.542	1.009	.990	.977	.941	1.009	1.051
11.402	1.016	.986	.979	.942	1.022	1.061
12.146	1.016	.986	.978	.944	1.029	1.061
12.766	1.022	.993	.979	.945	1.018	1.054
13.014	1.022	.998	.995	.952		
13.262	1.042	1.096	1.160	1.051	1.051	1.088
13.510	1.579	1.354	1.254	1.327	1.428	1.470
13.750	1.328	1.274	1.259	1.287	1.418	1.466
14.006	1.260	1.198	1.211	1.244	1.408	1.440
14.302	1.242	1.160	1.179	1.210	1.376	1.417
14.998	1.215	1.158	1.165	1.194	1.352	1.402

## P/PINF

X/O	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		STATIC PRESSURE	
	17		19.80		90		4.18		7.973	
	TOTAL PRESSURE		DYNAMIC PRESSURE		REYNOLDS NO.		4.49E+05		1.75	
	TOTAL TEMPERATURE		96.0							
	0	15	30	60	90	120	150	165	180	
2.421	1.069	1.076	1.066	1.073	1.087	1.131	1.177	.993	1.200	
4.333	1.067	1.075	1.063	1.060	1.068	1.108	1.151	.953	1.172	
4.829	.849	.851	.833	.825	.834	.872	.908	1.075	.932	
5.077	.877	.878	.865	.854	.861	.899	.935	1.013	.952	
5.325	.900	.902	.888	.870	.871	.911	.948	1.013	.967	
5.821	.946	.952	.935	.914	.893	.925	.960	1.006	.979	
6.566					.929	.942	.972	1.198	.992	
7.558	1.008	1.075	.999	.985	.963	.969	.992	1.174	1.008	
8.550	1.011	.850	1.001	.993	.976	.987	1.006	.930	1.017	
9.542	1.006	.878	.995	.989	.978	1.001	1.011	.956	1.031	
11.402	1.011	.967	.994	.994	.976	.994	1.018	1.040	1.041	
12.146	1.011	.978	.991	.992	.976	.994	1.026	1.045	1.040	
12.766	1.014	.992	.993	.994	.976	.990	1.014	1.033	1.032	
13.014	1.023	1.014	1.017	1.012	.904					
13.262	1.221	1.221	1.190	1.205	1.201	1.047	1.058	1.076	1.076	
13.510	1.357	1.307	1.266	1.302	1.358	1.384	1.412	1.435	1.433	
13.758	1.322	1.285	1.252	1.288	1.326	1.372	1.401	1.425	1.423	
14.006	1.271	1.248	1.231	1.256	1.283	1.349	1.386	1.406	1.390	
14.502	1.235	1.214	1.196	1.221	1.243	1.295	1.345	1.364	1.364	
14.998	1.215	1.201	1.178	1.212	1.227	1.269	1.322	1.342	1.353	

END/

X/D	CONFIGURATION		17		ANGLE OF ATTACK		2.09		MACH NUMBER		1.75	
	TOTAL PRESSURE		19.80		DYNAMIC PRESSURE		7.972		STATIC PRESSURE		3.718	
	TOTAL TEMPERATURE		96.0		REYNOLDS NO.		4.49E+05					
	0	15	30	ROLL ANGLE		120	150	165	180			
				60	90							
2.411	1.091	1.091	1.092	1.100	1.109	1.130	1.150	1.156	1.163			
4.333	1.086	1.087	1.085	1.090	1.095	1.110	1.127	1.134	1.137			
4.829	.856	.851	.849	.849	.855	.875	.889	.897	.902			
5.077	.884	.879	.878	.878	.884	.905	.920	.924	.926			
5.325	.904	.900	.897	.892	.898	.921	.934	.938	.945			
5.821	.945	.942	.938	.933	.928	.941	.952	.955	.962			
6.566					.958	.967	.971	.975	.983			
7.558	1.009	1.008	1.004	1.001	.991	.993	.996	.999	1.002			
8.550	1.011	1.007	1.009	1.007	1.001	1.005	1.007	1.006	1.010			
9.542	1.006	1.000	1.003	1.001	1.005	1.018	1.023	1.017	1.021			
11.402	1.012	1.004	1.004	1.003	.999	1.009	1.017	1.022	1.031			
12.146	1.013	1.003	1.004	1.000	.998	1.014	1.023	1.029	1.030			
12.766	1.014	1.005	1.004	1.002	.997	1.003	1.010	1.013	1.021			
13.014	1.024	1.019	1.017	1.014	1.006							
13.262	1.230	1.217	1.212	1.198	1.135	1.099	1.085	1.084	1.092			
13.510	1.315	1.309	1.312	1.345	1.367	1.380	1.391	1.394	1.402			
13.758	1.303	1.292	1.295	1.324	1.346	1.366	1.379	1.386	1.395			
14.006	1.273	1.264	1.267	1.289	1.310	1.345	1.361	1.362	1.366			
14.502	1.242	1.230	1.232	1.250	1.264	1.291	1.312	1.314	1.320			
14.998	1.222	1.215	1.217	1.240	1.251	1.267	1.291	1.300	1.309			

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER	
	TOTAL PRESSURE		DYNAMIC PRESSURE		60 90		STATIC PRESSURE	
	TOTAL TEMPERATURE		REYNOLDS NO.					
			17	19.81			1.05	1.75
			96.0	7.975			4.49E+05	3.720
			0	15	30	60	90	120
								150
								165
								180
2.411	1.104	1.105	1.104	1.111	1.116	1.125	1.138	1.146
4.333	1.098	1.097	1.097	1.103	1.103	1.107	1.115	1.121
4.839	.862	.858	.856	.859	.863	.872	.881	.891
5.077	.891	.887	.884	.887	.893	.904	.912	.917
5.328	.908	.902	.901	.901	.907	.922	.928	.937
5.821	.946	.943	.940	.939	.937	.943	.949	.958
6.566				.967	.967	.968	.973	.982
7.558	1.011	1.007	1.007	1.004	.998	.997	.996	1.001
8.550	1.012	1.009	1.011	1.011	1.007	1.009	1.007	1.010
9.542	1.005	1.001	1.005	1.004	1.011	1.022	1.026	1.020
11.402	1.014	1.007	1.007	1.006	1.005	1.013	1.016	1.030
12.146	1.016	1.008	1.007	1.003	1.005	1.018	1.024	1.027
12.766	1.017	1.008	1.008	1.006	1.003	1.007	1.010	1.026
13.014	1.025	1.019	1.018	1.016	1.011			
13.262	1.222	1.208	1.203	1.183	1.149	1.132	1.115	1.113
13.510	1.336	1.332	1.337	1.358	1.362	1.368	1.375	1.383
13.758	1.324	1.317	1.320	1.340	1.347	1.355	1.363	1.378
14.006	1.292	1.285	1.287	1.302	1.315	1.337	1.344	1.348
14.502	1.259	1.249	1.251	1.264	1.269	1.283	1.294	1.298
14.998	1.240	1.236	1.238	1.251	1.258	1.264	1.274	1.286

# P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 0.00 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.01 DYNAMIC PRESSURE 7.979 STATIC PRESSURE 3.720  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.49E+05

	ROLL ANGLE					150	165	180
	0	15	30	60	90			
X/D								
2.411	1.116	1.124	1.118	1.119	1.119	1.110	1.129	1.131
4.333	1.112	1.113	1.110	1.114	1.107	1.091	1.107	1.109
6.029	.867	.866	.863	.866	.866	.870	.882	.881
8.077	.897	.895	.892	.894	.894	.903	.907	.908
9.329	.911	.910	.905	.906	.911	.921	.927	.928
9.021	.947	.946	.943	.944	.941	.943	.950	.951
6.366					.969	.971	.978	.980
7.958	1.012	1.014	1.010	.997	1.001	1.000	1.000	.999
8.550	1.012	1.013	1.015	1.003	1.011	1.010	1.011	1.011
9.442	1.005	1.005	1.007	.997	1.014	1.024	1.023	1.020
11.412	1.014	1.012	1.007	1.008	1.009	1.014	1.023	1.029
12.146	1.010	1.016	1.009	1.005	1.007	1.019	1.026	1.024
12.766	1.020	1.024	1.010	1.009	1.005	1.007	1.026	1.024
13.014	1.027	1.026	1.026	1.020	1.015	1.007	1.012	1.016
13.262	1.107	1.104	1.169	1.162	1.159	1.163	1.161	1.163
13.510	1.369	1.371	1.364	1.371	1.360	1.352	1.357	1.356
13.758	1.356	1.354	1.347	1.355	1.346	1.340	1.352	1.355
14.006	1.314	1.312	1.307	1.315	1.310	1.323	1.329	1.328
14.502	1.281	1.278	1.269	1.275	1.272	1.272	1.276	1.276
14.998	1.262	1.262	1.253	1.263	1.263	1.256	1.262	1.265



## P/PINF

CONFIGURATION 17 ANGLE OF ATTACK -1.04 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.81 DYNAMIC PRESSURE 7.975 STATIC PRESSURE 3.720  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.49E+05

X/D	ROLL ANGLE									
	0	15	30	60	90	120	150	165	180	
2.411	1.136	1.135	1.134	1.128	1.121	1.115	1.114	1.112	1.118	
4.333	1.127	1.124	1.125	1.122	1.109	1.094	1.092	1.092	1.097	
4.829	.877	.872	.873	.870	.867	.866	.866	.867	.874	
5.077	.906	.899	.900	.897	.896	.899	.900	.899	.902	
5.325	.918	.911	.912	.908	.911	.918	.919	.919	.925	
5.821	.952	.947	.947	.945	.942	.943	.944	.945	.952	
6.566					.969	.972	.974	.975	.983	
7.558	1.015	1.011	1.011	1.007	1.002	.999	.997	.996	1.002	
8.550	1.013	1.007	1.016	1.013	1.011	1.009	1.005	1.003	1.013	
9.542	1.004	1.002	1.007	1.006	1.015	1.022	1.025	1.020	1.023	
11.402	1.014	1.006	1.008	1.008	1.008	1.012	1.014	1.014	1.028	
12.146	1.021	1.012	1.011	1.005	1.008	1.018	1.021	1.019	1.024	
12.766	1.024	1.014	1.015	1.010	1.006	1.005	1.007	1.006	1.014	
13.014	1.030	1.025	1.024	1.019	1.016	1.016	1.195	1.194	1.207	
13.262	1.136	1.124	1.127	1.136	1.160	1.187	1.327	1.324	1.330	
13.510	1.399	1.396	1.394	1.386	1.360	1.336	1.315	1.315	1.329	
13.758	1.385	1.381	1.379	1.371	1.346	1.326	1.302	1.300	1.304	
14.006	1.334	1.329	1.327	1.324	1.317	1.312	1.253	1.251	1.255	
14.502	1.302	1.293	1.293	1.286	1.271	1.260	1.235	1.239	1.244	
14.998	1.283	1.281	1.279	1.272	1.263	1.247				

P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		-2.07		MACH NUMBER		1.75	
	TOTAL PRESSURE		DYNAMIC PRESSURE		7.975		STATIC PRESSURE		3.720	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.49E+05					
	0	15	30	ROLL ANGLE		120	150	165	180	
				60	90					
2.411	1.154	1.152	1.147	1.137	1.119	1.106	1.103	1.101	1.106	
4.333	1.143	1.139	1.137	1.129	1.105	1.087	1.083	1.082	1.087	
4.829	.888	.882	.881	.872	.863	.859	.860	.862	.871	
5.077	.916	.909	.908	.899	.892	.892	.893	.894	.899	
5.325	.926	.918	.917	.908	.906	.911	.914	.915	.921	
5.821	.957	.951	.950	.943	.937	.938	.943	.943	.952	
6.566					.966	.970	.976	.976	.988	
7.558	1.018	1.012	1.012	1.005	.998	.996	.998	.996	1.002	
8.550	1.015	1.004	1.016	1.013	1.007	1.006	1.003	1.001	1.015	
9.542	1.007	1.001	1.007	1.005	1.010	1.020	1.023	1.018	1.025	
11.402	1.015	1.005	1.007	1.006	1.005	1.009	1.011	1.011	1.026	
12.146	1.025	1.013	1.012	1.004	1.005	1.014	1.018	1.017	1.021	
12.766	1.029	1.017	1.017	1.009	1.003	1.003	1.004	1.003	1.013	
13.014	1.034	1.027	1.027	1.018	1.012					
13.262	1.102	1.090	1.095	1.107	1.150	1.198	1.210	1.209	1.222	
13.510	1.421	1.416	1.414	1.399	1.363	1.322	1.305	1.300	1.307	
13.758	1.410	1.402	1.400	1.385	1.348	1.311	1.298	1.293	1.307	
14.036	1.351	1.345	1.342	1.331	1.316	1.298	1.286	1.281	1.285	
14.502	1.324	1.313	1.313	1.296	1.268	1.247	1.240	1.234	1.239	
14.998	1.305	1.301	1.297	1.281	1.259	1.235	1.222	1.219	1.225	

## P/PINF

CONFIGURATION 17 ANGLE OF ATTACK -4.15 MACH NUMBER 1.7  
 TOTAL PRESSURE 19.81 DYNAMIC PRESSURE 7.978 STATIC PRESSURE 3.721  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.49E+05

X/D	ROLL ANGLE					180
	0	15	30	60	90	
2.411	1.195	1.192	1.170	1.145	1.104	1.084
4.333	1.180	1.173	1.156	1.136	1.090	1.069
4.829	.918	.909	.895	.874	.847	.865
5.077	.942	.933	.917	.898	.875	.892
5.325	.947	.936	.922	.903	.887	.917
5.821	.973	.963	.950	.932	.915	.953
6.566					.944	.992
7.558	1.026	1.016	1.012	.990	.978	1.004
8.550	1.023	1.010	1.010	1.002	.989	1.018
9.542	1.017	1.006	1.008	.994	.992	1.028
11.402	1.021	1.010	1.007	.993	.990	1.027
12.146	1.035	1.021	1.018	.994	.991	1.023
12.766	1.042	1.027	1.024	1.001	.989	1.015
13.014	1.045	1.035	1.032	1.008	.997	
13.262	1.077	1.063	1.061	1.054	1.120	1.233
13.510	1.455	1.445	1.440	1.411	1.365	1.330
13.758	1.448	1.436	1.431	1.400	1.337	1.307
14.006	1.388	1.377	1.371	1.338	1.299	1.282
14.502	1.370	1.355	1.355	1.310	1.251	1.228
14.998	1.349	1.340	1.332	1.291	1.241	1.213
						1.195
						1.186
						1.208
						1.260
						1.293
						1.212
						1.200
						.996
						1.008
						1.002
						1.019
						1.000
						.995
						.980
						.977
						.940
						.905
						.886
						.854
						1.061
						1.077
						1.080
						1.063
						.837
						.872
						.891
						.922
						.957
						.984
						.995
						1.000
						1.017
						1.008
						1.010
						.998
						1.008
						1.004
						.994
						1.202
						1.287
						1.274
						1.263
						1.212
						1.203

P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 12.59 MACH NUMBER 2.00  
 TOTAL PRESSURE 21.97 DYNAMIC PRESSURE 7.865 STATIC PRESSURE 2.808  
 TOTAL TEMPERATURE 94.0 REYNOLDS NO. 4.53E+05

X/D	ROLL ANGLE					
	0	15	30	60	90	180
2.411	.973	.915	.931	.847	.788	1.111
4.333	.989	.913	.942	.846	.770	1.071
4.829	.735	.708	.754	.642	.576	.813
5.077	.736	.746	.774	.675	.570	.828
5.325	.813	.748	.767	.698	.559	.815
5.821	.860	.803	.809	.735	.535	.796
6.566					.505	.775
7.558	.963	.774	.797	.800	.620	.756
8.550	.971	.726	.768	.828	.781	.735
9.542	.968	.717	.778	.845	.829	.732
11.402	.918	.808	.891	.850	.778	.792
12.146	.951	.840	.887	.857	.766	.811
12.766	.939	.851	.882	.862	.776	.801
13.014	.937	.853	.890	.876	.773	
13.262	.933	.848	.946	.988	.871	.814
13.510	1.445	1.309	1.229	1.155	1.153	1.211
13.758	1.494	1.252	1.132	1.133	1.111	1.224
14.006	1.455	1.119	1.030	1.089	1.064	1.240
14.502	1.285	.870	.972	1.052	1.015	1.258
14.998	1.191	.867	1.005	1.052	.996	1.275
						1.176
						1.696
						1.693
						1.689
						1.573
						1.680
						1.691
						1.207
						1.737
						1.742
						1.733
						1.722
						1.729

X/D	CONFIGURATION			ANGLE OF ATTACK		MACH NUMBER		
	TOTAL PRESSURE	17	21.98	DYNAMIC PRESSURE		10.48	150	165
				REYNOLDS NO.	7.869			
	TOTAL TEMPERATURE	94.0			4.53E+05			
	0	15	30	ROLL ANGLE	120	150	165	180
				60	90			
2.411	1.005	.970	.977	.896	.897	1.122	1.375	1.450
4.333	1.008	.981	.989	.892	.876	1.082	1.321	1.395
4.829	.762	.776	.785	.675	.654	.825	1.020	1.082
5.077	.816	.784	.798	.701	.656	.842	1.036	1.097
5.325	.829	.810	.806	.723	.648	.835	1.034	1.099
5.821	.892	.860	.853	.769	.634	.821	1.035	1.102
6.566					.616	.806	1.029	1.099
7.558	.982	.881	.883	.876	.689	.791	1.018	1.090
8.550	.993	.852	.878	.891	.781	.773	1.010	1.087
9.542	.988	.827	.879	.891	.817	.823	1.019	1.094
11.402	.951	.871	.912	.905	.835	.842	1.025	1.106
12.146	.944	.881	.921	.901	.836	.857	1.048	1.112
12.766	.965	.892	.915	.901	.834	.857	1.046	1.112
13.014	.967	.894	.923	.914	.831			
13.262	.965	.894	1.010	1.051	.897	.869	1.064	1.132
13.510	1.489	1.347	1.241	1.198	1.224	1.282	1.548	1.635
13.758	1.536	1.263	1.169	1.168	1.181	1.300	1.545	1.633
14.006	1.513	1.089	1.096	1.128	1.133	1.307	1.542	1.528
14.502	1.233	1.008	1.116	1.117	1.087	1.297	1.530	1.612
14.998	1.243	1.001	1.084	1.123	1.072	1.299	1.542	1.617

CONFIGURATION	17	ANGLE OF ATTACK	8.37	MACH NUMBER	2.00
TOTAL PRESSURE	22.01	DYNAMIC PRESSURE	7.079	STATIC PRESSURE	2.813
TOTAL TEMPERATURE	94.0	REYNOLDS NO.	4.54E+05		

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## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		MACH NUMBER	
	TOTAL PRESSURE		DYNAMIC PRESSURE		60		6.27		2.00	
	17	21.99	REYNOLDS NO.		90		7.871		2.810	
	TOTAL TEMPERATURE 94.0						4.53E+05		STATIC PRESSURE	
	0	15	30	60	90	120	150	165	180	
2.411	1.054	1.046	1.041	1.020	1.059	1.151	1.266	1.299		1.314
4.333	1.058	1.054	1.049	1.019	1.031	1.109	1.219	1.248		1.266
4.829	.832	.830	.811	.774	.784	.844	.934	.961		.977
5.077	.852	.845	.837	.795	.801	.870	.961	.983		.999
5.325	.872	.867	.857	.807	.804	.872	.966	.991		1.000
5.821	.923	.914	.909	.855	.821	.877	.975	1.000		1.011
6.566					.841	.883	.981	1.010		1.021
7.558	1.001	.984	.976	.940	.882	.898	.987	1.010		1.021
8.550	1.010	.988	.979	.957	.905	.915	.991	1.021		1.031
9.542	1.003	.977	.971	.955	.918	.945	1.020	1.043		1.051
11.402	1.003	.969	.973	.972	.932	.951	.998	1.043		1.061
12.146	1.003	.968	.976	.967	.931	.963	1.024	1.055		1.071
12.766	1.013	.972	.970	.965	.929	.955	1.020	1.050		1.061
13.014	1.014	.970	.984	.978	.935					
13.262	1.015	1.008	1.132	1.135	.981	.971	1.042	1.072		1.081
13.510	1.534	1.388	1.275	1.269	1.357	1.397	1.496	1.534		1.551
13.758	1.459	1.296	1.272	1.260	1.317	1.389	1.486	1.525		1.544
14.006	1.313	1.232	1.252	1.238	1.263	1.383	1.477	1.513		1.531
14.502	1.276	1.205	1.217	1.220	1.227	1.334	1.443	1.478		1.491
14.998	1.251	1.160	1.191	1.197	1.222	1.322	1.438	1.472		1.481

CONFIGURATION	17	ANGLE OF ATTACK	4.18	MACH NUMBER	2.00
TOTAL PRESSURE	22.02	DYNAMIC PRESSURE	7.882	STATIC PRESSURE	2.814
TOTAL TEMPERATURE	94.0	REYNOLDS NO.	4.54E+05		

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## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		2.08		MACH NUMBER		2.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE				7.877		STATIC PRESSURE		2.013	
	TOTAL TEMPERATURE		REYNOLDS NO.				4.54E+05					
	0	15	30	60	90	120	150	165	180			
2.411	1.100	1.098	1.098	1.096	1.131	1.159	1.185	1.192	1.195			
4.333	1.104	1.103	1.104	1.097	1.105	1.121	1.147	1.154	1.157			
4.829	.854	.852	.848	.836	.846	.860	.883	.892	.895			
5.077	.868	.868	.866	.857	.869	.892	.912	.919	.922			
5.325	.884	.882	.879	.868	.881	.903	.925	.932	.936			
5.821	.928	.926	.927	.914	.912	.924	.946	.953	.958			
6.566		.999	.998	.989	.941	.951	.967	.971	.977			
7.558	1.003	.999	.998	.989	.977	.975	.989	.991	.996			
8.550	1.012	1.008	1.006	.995	.990	.984	.999	1.002	1.010			
9.542	1.010	1.007	1.004	.991	.997	1.012	1.026	1.025	1.031			
11.402	1.014	1.008	1.011	1.002	1.005	1.010	1.016	1.013	1.020			
12.146	1.011	1.006	1.007	.995	1.003	1.020	1.025	1.030	1.036			
12.766	1.013	1.005	1.006	.996	.997	1.009	1.016	1.023	1.029			
13.014	1.022	1.013	1.014	1.005	1.003							
13.262	1.197	1.188	1.182	1.107	1.066	1.055	1.055	1.061	1.067			
13.510	1.356	1.349	1.358	1.366	1.415	1.436	1.453	1.460	1.470			
13.758	1.356	1.345	1.351	1.351	1.401	1.417	1.439	1.448	1.456			
14.006	1.324	1.317	1.321	1.305	1.356	1.400	1.425	1.430	1.437			
14.502	1.291	1.283	1.289	1.278	1.313	1.339	1.368	1.376	1.384			
14.998	1.264	1.256	1.265	1.258	1.295	1.322	1.351	1.359	1.364			

CONFIGURATION	17	ANGLE OF ATTACK	1.05	MACH NUMBER	2.00
TOTAL PRESSURE	21.97	DYNAMIC PRESSURE	7.866	STATIC PRESSURE	2.808
TOTAL TEMPERATURE	94.0	REYNOLDS NO.	4.53E+05		

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## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		STATIC PRESSURE	
	17		DYNAMIC PRESSURE		60 90		0.00		2.00	
	TOTAL PRESSURE		REYNOLDS NO.				7.866		2.809	
	0	15	30	60	90	120	150	165	180	
2.411	1.133	1.131	1.125	1.131	1.147	1.150	1.149	1.147	1.149	
4.333	1.131	1.129	1.126	1.132	1.124	1.118	1.122	1.121	1.122	
4.829	.864	.864	.860	.863	.862	.862	.864	.866	.869	
5.077	.882	.882	.879	.883	.886	.894	.896	.895	.899	
5.325	.893	.891	.888	.894	.899	.909	.912	.911	.915	
5.821	.933	.931	.932	.936	.932	.935	.940	.940	.942	
6.566					.960	.965	.966	.965	.969	
7.558	1.023	1.000	1.002	1.004	.995	.992	.994	.990	.993	
8.550	1.010	1.008	1.008	1.009	1.002	1.000	1.001	1.003	1.008	
9.542	1.010	1.008	1.008	1.003	1.008	1.027	1.026	1.025	1.028	
11.402	1.007	1.005	1.012	1.013	1.015	1.019	1.014	1.017	1.019	
12.146	1.013	1.008	1.009	1.008	1.013	1.027	1.023	1.026	1.030	
12.766	1.016	1.010	1.011	1.009	1.006	1.016	1.011	1.016	1.021	
13.014	1.025	1.017	1.023	1.019	1.010					
13.262	1.120	1.111	1.108	1.098	1.102	1.112	1.100	1.105	1.110	
13.510	1.420	1.414	1.416	1.421	1.410	1.407	1.401	1.405	1.412	
13.758	1.417	1.411	1.410	1.416	1.409	1.394	1.397	1.398	1.404	
14.006	1.368	1.365	1.362	1.363	1.370	1.382	1.386	1.382	1.387	
14.502	1.336	1.331	1.332	1.338	1.327	1.320	1.323	1.321	1.326	
14.998	1.311	1.306	1.309	1.317	1.311	1.30	1.305	1.302	1.307	

# P/PINF

CONFIGURATION 17 ANGLE OF ATTACK -1.02 MACH NUMBER 2.00  
 TOTAL PRESSURE 21.95 DYNAMIC PRESSURE 7.857 STATIC PRESSURE 2.805  
 TOTAL TEMPERATURE 94.0 REYNOLDS NO. 4.52E+05

X/D	ROLL ANGLE							
	0	15	30	60	90	120	150	180
2.411	1.152	1.150	1.145	1.138	1.144	1.140	1.131	1.129
4.233	1.146	1.147	1.147	1.140	1.124	1.112	1.106	1.106
4.829	.874	.872	.870	.863	.863	.858	.858	.861
5.077	.894	.894	.892	.887	.886	.890	.889	.888
5.325	.901	.899	.900	.896	.899	.903	.906	.906
5.821	.936	.936	.936	.937	.933	.934	.938	.937
6.566					.962	.964	.967	.969
7.558					.997	.993	.993	.991
8.580	1.004	1.002	1.003	1.003	.997	.993	.993	.994
9.542	1.009	1.008	1.008	1.008	1.006	1.002	1.003	1.009
11.402	1.010	1.009	1.008	1.004	1.012	1.027	1.027	1.028
12.146	1.004	1.006	1.010	1.013	1.019	1.020	1.017	1.021
12.766	1.015	1.010	1.009	1.009	1.016	1.020	1.026	1.031
13.014	1.019	1.015	1.012	1.011	1.009	1.016	1.014	1.019
13.262	1.026	1.022	1.022	1.022	1.016	1.016	1.016	1.016
13.510	1.080	1.073	1.072	1.079	1.100	1.136	1.147	1.159
13.756	1.457	1.451	1.447	1.440	1.411	1.384	1.375	1.375
14.006	1.452	1.446	1.441	1.435	1.406	1.379	1.368	1.374
14.262	1.393	1.389	1.385	1.377	1.368	1.369	1.359	1.362
14.502	1.369	1.360	1.359	1.353	1.324	1.308	1.299	1.302
14.998	1.340	1.334	1.334	1.331	1.306	1.290	1.279	1.281

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CONFIGURATION	17	ANGLE OF ATTACK	-4.15	MACH NUMBER	2.00
TOTAL PRESSURE	21.97	DYNAMIC PRESSURE	7.863	STATIC PRESSURE	2.807
TOTAL TEMPERATURE	94.0	REYNOLDS NO.	4.53E+05		

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## P/PINF

X/D	CONFIGURATION 17		ANGLE OF ATTACK		12.79		MACH NUMBER		3.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		6.204		STATIC PRESSURE		.984	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.48E+05					
	0	15	30	ROLL ANGLE	60	90	120	150	165	180
2.411	.892	.702	.706	.705	.773	.773	1.399	1.997	2.178	2.248
4.333	.890	.711	.729	.672	.751	.751	1.332	1.906	2.076	2.135
4.829	.586	.533	.552	.490	.516	.516	.935	1.362	1.497	1.535
5.077	.568	.546	.565	.469	.497	.497	.925	1.365	1.501	1.545
5.325	.568	.571	.578	.485	.487	.487	.924	1.364	1.504	1.554
5.821	.665	.583	.576	.514	.473	.473	.906	1.353	1.487	1.544
6.566				.452	.452	.452	.877	1.327	1.457	1.512
7.558	.768	.546	.505	.558	.478	.478	.844	1.288	1.426	1.474
8.550	.755	.512	.523	.605	.531	.531	.818	1.274	1.416	1.460
9.542	.738	.554	.559	.638	.579	.579	.796	1.255	1.396	1.450
11.402	.756	.621	.646	.658	.603	.603	.769	1.234	1.386	1.428
12.146	.753	.633	.665	.664	.608	.608	.767	1.240	1.390	1.440
12.766	.781	.659	.680	.675	.615	.615	.766	1.228	1.374	1.429
13.014	.778	.666	.685	.680	.629	.629				
13.262	.778	.675	.705	.707	.688	.688	.778	1.230	1.375	1.432
13.510	1.452	1.227	1.066	1.024	.952	.952	1.362	2.114	2.340	2.424
13.758	1.547	1.218	1.008	.969	.904	.904	1.378	2.122	2.360	2.430
14.006	1.534	1.111	.899	.959	.858	.858	1.386	2.129	2.362	2.451
14.502	1.588	.968	.741	.960	.825	.825	1.431	2.167	2.389	2.474
14.998	1.498	.807	.703	.938	.825	.825	1.466	2.192	2.408	2.491

# P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 10.55 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.17 DYNAMIC PRESSURE 6.204 STATIC PRESSURE .984  
 TOTAL TEMPERATURE 97.0 REYNOLDS NO. 4.48E+05

X/D	Q	ROLL ANGLE				150	165	180
		0	15	30	60			
2.411	.943	.863	.872	.772	.823	1.319	1.928	1.980
4.333	.955	.872	.876	.733	.804	1.271	1.853	1.902
4.829	.653	.666	.677	.525	.553	.886	1.330	1.557
5.077	.656	.657	.661	.525	.535	.878	1.331	1.366
5.325	.690	.650	.660	.532	.524	.880	1.333	1.373
5.821	.724	.682	.672	.561	.508	.859	1.316	1.359
6.566					.475	.833	1.298	1.339
7.558	.838	.686	.610	.614	.498	.801	1.271	1.309
8.550	.865	.620	.581	.669	.572	.779	1.263	1.294
9.542	.856	.590	.578	.711	.628	.754	1.243	1.286
11.402	.840	.635	.706	.732	.688	.730	1.237	1.275
12.146	.820	.723	.754	.735	.690	.728	1.241	1.285
12.766	.838	.751	.775	.755	.692	.729	1.227	1.276
13.014	.837	.756	.780	.766	.703			
13.262	.823	.764	.802	.802	.751	.737	1.230	1.281
13.510	1.527	1.381	1.208	1.129	1.097	1.297	2.116	2.132
13.758	1.604	1.391	1.153	1.125	1.090	1.311	2.130	2.182
14.006	1.592	1.280	1.021	1.090	1.063	1.323	2.129	2.200
14.502	1.647	1.129	.895	1.052	1.028	1.359	2.147	2.216
14.998	1.594	.914	.857	1.026	1.015	1.398	2.168	2.233



## P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 8.39 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.20 DYNAMIC PRESSURE 6.209 STATIC PRESSURE .985  
 TOTAL TEMPERATURE 97.0 REYNOLDS NO. 4.48E+05

X/D	ROLL ANGLE					MACH NUMBER		
	0	15	30	60	90	120	150	180
2.411	.997	.982	.973	.866	.928	1.277	1.619	1.715
4.333	.996	.977	.964	.855	.918	1.239	1.573	1.673
4.829	.733	.758	.731	.611	.639	.868	1.115	1.188
5.077	.740	.721	.710	.602	.620	.858	1.108	1.182
5.325	.734	.721	.713	.612	.615	.861	1.110	1.187
5.821	.786	.764	.748	.643	.599	.843	1.100	1.173
6.566					.563	.821	1.089	1.159
7.558	.888	.812	.786	.734	.541	.796	1.067	1.144
8.550	.912	.795	.777	.772	.585	.774	1.056	1.139
9.542	.921	.760	.753	.791	.652	.745	1.036	1.122
11.402	.929	.762	.765	.833	.766	.728	1.030	1.122
12.146	.915	.770	.788	.839	.783	.729	1.030	1.123
12.766	.912	.792	.814	.848	.784	.739	1.020	1.112
13.014	.915	.805	.830	.850	.789			
13.262	.917	.865	.899	.902	.816	.767	1.026	1.117
13.510	1.639	1.424	1.239	1.225	1.253	1.364	1.789	1.935
13.758	1.726	1.385	1.179	1.242	1.228	1.412	1.797	1.944
14.006	1.702	1.249	1.090	1.183	1.194	1.422	1.799	1.944
14.502	1.644	1.045	1.076	1.131	1.164	1.453	1.820	1.950
14.998	1.407	.996	1.145	1.127	1.156	1.476	1.855	1.971

# P/P INF

CONFIGURATION 17 ANGLE OF ATTACK 6.24 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.21 DYNAMIC PRESSURE 6.210 STATIC PRESSURE .985  
 TOTAL TEMPERATURE 97.0 REYNOLDS NO. 4.48E+05

X/D	ROLL ANGLE							
	0	15	30	60	90	120	150	180
2.411	1.045	1.045	1.033	.987	1.048	1.264	1.471	1.538
4.333	1.044	1.038	1.019	.973	1.033	1.239	1.458	1.521
4.829	.807	.796	.761	.698	.724	.868	1.025	1.073
5.077	.787	.769	.746	.680	.708	.857	1.014	1.061
5.325	.785	.776	.760	.686	.708	.862	1.020	1.067
5.821	.828	.818	.808	.723	.707	.850	1.014	1.059
6.566					.692	.838	1.006	1.055
7.558	.920	.898	.882	.810	.690	.827	1.002	1.053
8.550	.946	.909	.892	.858	.716	.813	.995	1.049
9.542	.948	.891	.888	.871	.752	.801	.982	1.036
11.402	.960	.883	.889	.901	.817	.826	.989	1.045
12.146	.956	.878	.890	.904	.834	.843	.995	1.049
12.766	.969	.884	.902	.917	.846	.851	.995	1.068
13.014	.967	.888	.907	.919	.855			1.066
13.262	.959	.902	.971	1.015	.880	.866	1.009	1.078
13.510	1.637	1.445	1.308	1.308	1.407	1.492	1.743	1.856
13.758	1.674	1.355	1.250	1.324	1.390	1.508	1.752	1.852
14.006	1.637	1.219	1.220	1.276	1.345	1.515	1.748	1.861
14.502	1.451	1.250	1.289	1.272	1.306	1.514	1.748	1.857
14.998	1.482	1.201	1.266	1.287	1.293	1.514	1.761	1.867

## P/PINF

X/D	CONFIGURATION 17		ANGLE OF ATTACK		4.15		MACH NUMBER		3.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		6.211		STATIC PRESSURE		.985	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.48E+05					
	0	15	30	60	90	120	150	165	180	
				ROLL ANGLE						
2.411	1.087	1.095	1.090	1.079	1.137	1.255	1.379	1.409	1.419	
4.333	1.088	1.087	1.076	1.069	1.122	1.238	1.358	1.392	1.405	
4.829	.843	.830	.799	.771	.794	.871	.957	.979	.982	
5.077	.815	.802	.782	.748	.776	.859	.943	.968	.974	
5.325	.805	.803	.792	.755	.781	.869	.952	.977	.988	
5.821	.848	.844	.836	.798	.796	.865	.953	.974	.988	
6.566					.805	.871	.960	.983	.994	
7.558	.943	.935	.923	.867	.824	.880	.967	.992	1.004	
8.550	.967	.959	.947	.904	.846	.883	.966	.991	.993	
9.542	.972	.957	.951	.915	.860	.887	.966	.988	.996	
11.402	.980	.964	.959	.943	.899	.910	.986	1.010	1.014	
12.146	.978	.958	.959	.946	.910	.923	.993	1.017	1.027	
12.766	.987	.970	.960	.956	.918	.927	.993	1.015	1.025	
13.014	.989	.967	.967	.961	.924					
13.262	1.002	1.019	1.068	1.051	.946	.943	1.012	1.032	1.040	
13.510	1.543	1.425	1.333	1.392	1.495	1.565	1.700	1.738	1.757	
13.758	1.549	1.406	1.385	1.428	1.515	1.589	1.714	1.752	1.758	
14.036	1.479	1.394	1.392	1.387	1.468	1.582	1.701	1.740	1.757	
14.502	1.469	1.377	1.386	1.387	1.420	1.551	1.678	1.718	1.735	
14.998	1.414	1.337	1.360	1.367	1.407	1.535	1.672	1.710	1.732	

# P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		3.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		.985	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.48E+05			
	0	15	30	60	90	120	150	180
2.411	1.136	1.146	1.147	1.157	1.169	1.241	1.293	1.316
4.333	1.138	1.137	1.137	1.150	1.179	1.225	1.274	1.290
4.628	.857	.852	.843	.836	.844	.872	.906	.910
5.077	.823	.817	.813	.806	.822	.855	.887	.896
5.325	.823	.818	.817	.814	.831	.870	.900	.911
5.821	.865	.863	.859	.854	.855	.877	.908	.921
6.566					.877	.899	.930	.942
7.558	.948	.944	.939	.919	.907	.925	.950	.960
8.550	.971	.971	.966	.942	.928	.935	.958	.958
9.542	.977	.971	.969	.949	.935	.945	.966	.970
11.402	.990	.988	.988	.969	.957	.966	.993	.994
12.146	.991	.986	.988	.972	.968	.977	.999	1.006
12.766	.993	.991	.990	.986	.973	.977	.996	1.003
13.014	1.001	.997	.998	.989	.980			
13.262	1.072	1.080	1.077	1.038	1.011	1.000	1.017	1.023
13.510	1.429	1.425	1.433	1.476	1.521	1.565	1.624	1.642
13.758	1.465	1.469	1.484	1.537	1.587	1.610	1.673	1.677
14.006	1.464	1.464	1.476	1.499	1.554	1.600	1.658	1.672
14.502	1.459	1.457	1.457	1.473	1.509	1.550	1.611	1.632
14.998	1.435	1.434	1.439	1.448	1.481	1.520	1.593	1.613

## P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		3.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		STATIC PRESSURE		.986	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.49E+05			
	0	15	30	60	90	120	150	180
2.411	1.167	1.177	1.179	1.176	1.204	1.228	1.260	1.271
4.333	1.166	1.167	1.170	1.170	1.196	1.212	1.235	1.238
4.829	.863	.861	.858	.850	.861	.870	.886	.882
5.077	.830	.825	.828	.817	.836	.848	.864	.867
5.325	.831	.831	.836	.822	.846	.863	.877	.882
5.821	.874	.873	.873	.863	.872	.877	.893	.896
6.565					.902	.907	.924	.925
7.538	.946	.944	.943	.932	.932	.935	.945	.948
8.553	.966	.949	.964	.953	.949	.947	.958	.951
9.542	.973	.968	.971	.956	.958	.959	.969	.968
11.432	.980	.987	.984	.971	.976	.980	.997	.991
12.146	.992	.987	.991	.977	.987	.992	1.002	1.003
12.766	.994	.990	.994	.983	.994	.992	.999	1.001
13.014	1.002	.998	1.001	.994	.997			
13.262	1.057	1.062	1.060	1.036	1.027	1.019	1.026	1.026
13.510	1.434	1.434	1.470	1.496	1.522	1.537	1.568	1.576
13.758	1.509	1.513	1.529	1.570	1.596	1.606	1.642	1.635
14.006	1.509	1.504	1.519	1.538	1.575	1.603	1.629	1.634
14.502	1.490	1.486	1.494	1.503	1.528	1.549	1.577	1.586
14.938	1.468	1.468	1.476	1.467	1.499	1.514	1.550	1.562

# P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 0.00 MACH NUMBER 3.00  
 TOTAL PRESSURE 96.23 DYNAMIC PRESSURE 6.213 STATIC PRESSURE .986  
 TOTAL TEMPERATURE 97.0 REYNOLDS NO. 4.49E+05

X/D	ROLL ANGLE				120	150	165	180
	0	12	30	60				
2.411	1.202	1.211	1.209	1.205	1.212	1.224	1.227	1.230
4.333	1.202	1.201	1.199	1.199	1.204	1.194	1.198	1.199
4.829	.869	.868	.872	.868	.872	.870	.866	.863
5.077	.841	.838	.841	.837	.844	.842	.841	.844
5.325	.845	.843	.844	.846	.853	.856	.857	.860
5.821	.886	.884	.877	.879	.880	.876	.873	.879
6.566					.913	.914	.911	.913
7.558	.948	.946	.944	.942	.944	.936	.938	.942
8.550	.966	.967	.959	.960	.960	.956	.956	.949
9.542	.970	.966	.967	.960	.967	.967	.969	.970
11.402	.986	.983	.979	.979	.987	.995	1.000	.990
12.146	.989	.985	.989	.984	.995	.998	1.000	1.002
12.766	.994	.992	.995	.999	.995	.995	.999	.999
13.014	.999	.998	.995	1.001	1.000			
13.262	1.028	1.034	1.034	1.032	1.039	1.036	1.037	1.039
13.510	1.506	1.505	1.506	1.517	1.519	1.504	1.510	1.509
13.758	1.585	1.584	1.587	1.598	1.593	1.579	1.583	1.573
14.006	1.560	1.556	1.560	1.566	1.585	1.586	1.590	1.591
14.502	1.528	1.527	1.535	1.532	1.539	1.532	1.536	1.538
14.998	1.512	1.512	1.509	1.514	1.510	1.502	1.505	1.511

X/D	CONFIGURATION			ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		3.00	
	TOTAL PRESSURE		36.22	DYNAMIC PRESSURE		6.211		STATIC PRESSURE			.985
	TOTAL TEMPERATURE			97.0	REYNOLDS NO.		4.48E+05				
	0	15	30		60	90	120	150	165	180	
2.411	1.242	1.251	1.250	1.230	1.212	1.195	1.196	1.191	1.190		
4.333	1.239	1.240	1.240	1.225	1.206	1.175	1.168	1.163	1.160		
4.029	.887	.884	.884	.878	.870	.859	.860	.859	.851		
5.077	.860	.856	.859	.850	.844	.833	.831	.827	.828		
5.325	.865	.863	.863	.856	.852	.848	.845	.840	.842		
5.821	.902	.899	.898	.889	.879	.868	.869	.862	.865		
6.566					.916	.906	.903	.905	.907		
7.558	.952	.952	.953	.942	.943	.939	.941	.938	.939		
8.550	.968	.964	.970	.963	.959	.955	.960	.959	.952		
9.542	.968	.966	.970	.957	.966	.969	.975	.972	.971		
11.402	.984	.982	.982	.977	.982	.988	1.001	1.000	.993		
12.146	.989	.985	.990	.983	.993	.998	1.005	1.001	1.005		
12.769	.997	.995	.998	.994	1.004	.997	1.001	.999	1.000		
13.014	.998	.996	1.000	.999	1.005						
13.262	1.010	1.017	1.022	1.022	1.038	1.048	1.062	1.062	1.067		
13.565	1.565	1.561	1.563	1.548	1.521	1.430	1.465	1.453	1.454		
13.758	1.654	1.649	1.651	1.636	1.596	1.538	1.522	1.506	1.496		
14.006	1.608	1.601	1.607	1.593	1.586	1.562	1.552	1.540	1.543		
14.532	1.568	1.565	1.569	1.556	1.538	1.506	1.503	1.492	1.494		
14.998	1.561	1.560	1.560	1.539	1.510	1.471	1.470	1.460	1.464		

CONFIGURATION	17	ANGLE OF ATTACK	-2.06	MACH NUMBER	3.00
TOTAL PRESSURE	36.20	DYNAMIC PRESSURE	6.209	STATIC PRESSURE	.985
TOTAL TEMPERATURE	97.0	REYNOLDS NO.	4.48E+05		

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## P/PINF

	CONFIGURATION			ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		
	TOTAL PRESSURE	17	36.21	DYNAMIC PRESSURE	-4.13	60	90	STATIC PRESSURE	3.00	
	TOTAL TEMPERATURE	97.0	97.0	REYNOLDS NO.	4.48E+05					
		0	15	30	60	90	120	150	165	180
X/D										
2.411	1.403	1.402	1.377	1.272	1.158	1.109	1.111	1.104	1.106	
4.333	1.396	1.387	1.363	1.265	1.154	1.083	1.080	1.082	1.087	
4.829	.974	.963	.946	.880	.815	.787	.812	.831	.837	
5.077	.957	.946	.930	.861	.797	.766	.792	.807	.816	
5.325	.959	.948	.932	.862	.807	.787	.808	.812	.814	
5.821	.982	.974	.955	.888	.827	.813	.835	.835	.841	
6.566					.843	.846	.883	.889	.898	
7.558	1.006	.996	.977	.905	.868	.887	.926	.931	.938	
8.550	1.005	.992	.975	.912	.883	.911	.948	.953	.953	
9.542	.995	.983	.970	.904	.891	.932	.962	.966	.975	
11.402	1.005	.998	.978	.925	.924	.959	.979	.981	.988	
12.146	1.009	.998	.987	.933	.936	.969	.980	.980	.995	
12.766	1.019	1.010	.996	.949	.945	.967	.975	.975	.992	
13.014	1.020	1.010	.997	.949	.950					
13.262	1.014	1.012	1.000	.957	.974	1.061	1.075	1.037	1.030	
13.510	1.738	1.720	1.695	1.595	1.520	1.402	1.351	1.422	1.521	
13.758	1.780	1.763	1.741	1.647	1.559	1.440	1.406	1.413	1.485	
14.006	1.726	1.708	1.688	1.597	1.516	1.444	1.434	1.435	1.489	
14.502	1.700	1.689	1.681	1.574	1.463	1.393	1.387	1.387	1.455	
14.998	1.722	1.709	1.687	1.574	1.445	1.368	1.360	1.345	1.394	

CONFIGURATION	17	ANGLE OF ATTACK	12.68	MACH NUMBER	4.00
TOTAL PRESSURE	57.84	DYNAMIC PRESSURE	4.266	STATIC PRESSURE	.380
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.32E+05		

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## P/PINF

X/D	CONFIGURATION		17		ANGLE OF ATTACK		10.44		MACH NUMBER		4.00
	TOTAL PRESSURE		57.83		DYNAMIC PRESSURE		4.265		STATIC PRESSURE		
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.32E+05				
	0	15	30	60	90	120	150	165	180		
2.411	.851	.780	.777	.729	.938	1.640	2.349	2.576	2.649		
4.333	.885	.756	.755	.681	.930	1.593	2.257	2.468	2.536		
4.829	.579	.562	.569	.486	.609	1.048	1.493	1.641	1.688		
5.077	.566	.558	.551	.491	.569	1.023	1.466	1.617	1.662		
5.325	.555	.531	.511	.467	.534	1.000	1.457	1.611	1.663		
5.821	.599	.537	.505	.492	.525	.988	1.452	1.606	1.655		
6.566					.483	.933	1.390	1.544	1.593		
7.558	.716	.560	.518	.530	.483	.917	1.372	1.525	1.572		
8.550	.681	.565	.526	.555	.489	.886	1.348	1.500	1.549		
9.542	.701	.587	.543	.571	.516	.881	1.350	1.508	1.558		
11.402	.717	.627	.588	.583	.545	.824	1.298	1.455	1.508		
12.146	.721	.649	.600	.587	.554	.831	1.303	1.466	1.519		
12.766	.713	.642	.579	.570	.550	.820	1.295	1.459	1.513		
13.014	.729	.665	.596	.590	.590						
13.262	.741	.714	.682	.676	.657	.816	1.274	1.437	1.489		
13.510	1.541	1.374	.942	.880	.837	1.609	2.532	2.837	2.934		
13.758	1.627	1.429	.956	.947	.916	1.719	2.606	2.896			
14.006	1.633	1.361	.852	.977	.930	1.758	2.624	2.913	3.005		
14.502	1.582	1.238	.718	.912	.928	1.801	2.667	2.950	3.042		
14.998	1.550	1.094	.711	.877	.963	1.840	2.710	2.998	3.089		

CONFIGURATION	17	ANGLE OF ATTACK	8.30	MACH NUMBER	4.00
TOTAL PRESSURE	57.83	DYNAMIC PRESSURE	4.265	STATIC PRESSURE	.380
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.32E+05		

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## F/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		4.00	
	TOTAL PRESSURE		DYNAMIC PRESSURE		60 90		6.19		STATIC PRESSURE	
	TOTAL TEMPERATURE		REYNOLDS NO.				4.265		4.32E+05	
	0	15	30	60	90	120	150	165	180	
2.411	1.039	1.028	1.010	.960	1.095	1.429	1.780	1.889	1.920	
4.333	1.044	1.033	1.004	.963	1.094	1.418	1.759	1.867	1.904	
4.829	.799	.781	.726	.655	.731	.951	1.175	1.246	1.267	
5.077	.769	.743	.700	.618	.686	.915	1.132	1.202	1.222	
5.325	.729	.709	.674	.593	.656	.896	1.116	1.186	1.210	
5.821	.751	.736	.711	.632	.650	.884	1.110	1.179	1.203	
6.566					.612	.835	1.061	1.133	1.157	
7.558	.842	.808	.766	.703	.617	.832	1.066	1.142	1.166	
8.550	.868	.810	.780	.728	.611	.815	1.064	1.140	1.164	
9.542	.884	.806	.786	.754	.635	.816	1.068	1.149	1.172	
11.402	.901	.803	.789	.792	.690	.766	1.029	1.113	1.139	
12.146	.903	.802	.791	.796	.714	.775	1.032	1.121	1.149	
12.766	.877	.780	.771	.776	.713	.765	1.024	1.113	1.140	
13.014	.901	.807	.800	.798	.731					
13.262	.944	.913	.907	.898	.800	.774	1.010	1.100	1.125	
13.510	1.704	1.430	1.132	1.205	1.241	.472	1.985	2.153	2.210	
13.758	1.792	1.395	1.196	1.281	1.357	1.616	2.102	2.258	2.301	
14.006	1.782	1.260	1.151	1.270	1.368	1.668	2.126	2.282	2.328	
14.502	1.682	1.191	1.149	1.217	1.344	1.703	2.138	2.285	2.332	
14.998	1.656	1.225	1.263	1.247	1.361	1.738	2.153	2.301	2.344	

CONFIGURATION	17	ANGLE OF ATTACK	4.11	MACH NUMBER	4.00
TOTAL PRESSURE	57.81	DYNAMIC PRESSURE	4.264	STATIC PRESSURE	.381
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.32E+05		

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## P/PINF

X/D	CONFIGURATION		17		ANGLE OF ATTACK		2.05		MACH NUMBER		4.00	
	TOTAL PRESSURE		57.81		DYNAMIC PRESSURE		4.264		STATIC PRESSURE		.380	
	TOTAL TEMPERATURE		90.0		REYNOLDS NO.		4.32E+05					
	0	15	30	ROLL ANGLE	90	120	150	165	180			
				60								
2.411	1.198	1.197	1.204	1.222	1.259	1.321	1.401	1.431	1.439			
4.333	1.201	1.203	1.205	1.240	1.284	1.351	1.422	1.444	1.451			
4.829	.889	.884	.871	.863	.890	.930	.976	.993	.995			
5.077	.844	.838	.829	.815	.838	.883	.927	.939	.941			
5.325	.790	.787	.779	.773	.808	.867	.909	.921	.925			
5.821	.807	.805	.802	.796	.823	.867	.908	.920	.924			
6.566												
7.558	.905	.903	.893	.872	.814	.853	.891	.904	.905			
8.550	.932	.928	.919	.894	.863	.890	.928	.942	.946			
9.542	.947	.944	.936	.909	.879	.914	.952	.961	.964			
11.402	.968	.964	.955	.932	.900	.932	.968	.980	.983			
12.146	.972	.968	.962	.939	.914	.932	.964	.973	.979			
12.766	.941	.940	.932	.917	.923	.946	.977	.987	.994			
13.014	.972	.967	.959	.941	.909	.942	.972	.985	.990			
13.262	1.068	1.063	1.058	1.018	.916							
13.510	1.425	1.418	1.418	1.476	.963	.954	.977	.988	.991			
13.758	1.485	1.487	1.506	1.596	1.519	1.595	1.679	1.708	1.716			
14.006	1.510	1.519	1.550	1.638	1.680	1.772	1.865	1.890	1.897			
14.502	1.567	1.569	1.573	1.630	1.729	1.838	1.920	1.943	1.949			
14.998	1.612	1.603	1.596	1.630	1.703	1.815	1.899	1.922	1.929			
				1.630	1.699	1.799	1.885	1.907	1.913			

P/PINF

X/D	CONFIGURATION		17	ANGLE OF ATTACK		1.03		MACH NUMBER		4.00	
	TOTAL PRESSURE		57.82	DYNAMIC PRESSURE		4.265		STATIC PRESSURE			.391
	TOTAL TEMPERATURE		90.0	REYNOLDS NO.		4.32E+05					
	0	15	30	60	90	120	150	165	180		
2.411	1.246	1.246	1.253	1.271	1.278	1.301	1.340	1.360	1.363		
4.333	1.254	1.258	1.263	1.291	1.307	1.326	1.356	1.365	1.367		
4.829	.903	.902	.899	.908	.918	.931	.949	.950	.950		
5.077	.852	.850	.849	.853	.864	.883	.897	.900	.899		
5.325	.797	.798	.798	.803	.828	.862	.876	.879	.881		
5.821	.824	.824	.824	.829	.844	.865	.879	.881	.882		
6.566					.840	.858	.869	.872	.872		
7.558	.909	.908	.905	.901	.895	.904	.915	.920	.921		
8.550	.932	.930	.926	.918	.914	.927	.944	.944	.943		
9.542	.947	.945	.942	.931	.935	.954	.963	.967	.967		
11.422	.967	.965	.960	.949	.945	.955	.967	.966	.969		
12.146	.973	.970	.968	.955	.953	.970	.982	.984	.983		
12.766	.941	.942	.940	.931	.936	.964	.975	.978	.980		
13.014	.973	.971	.967	.956	.943						
13.262	1.061	1.057	1.054	1.024	.993	.985	.990	.993	.993		
13.510	1.453	1.454	1.468	1.509	1.528	1.562	1.599	1.610	1.600		
13.758	1.535	1.540	1.562	1.635	1.678	1.722	1.769	1.775	1.774		
14.006	1.576	1.582	1.612	1.691	1.751	1.815	1.857	1.864	1.862		
14.532	1.654	1.654	1.658	1.698	1.741	1.801	1.841	1.849	1.849		
14.998	1.668	1.667	1.671	1.701	1.737	1.783	1.824	1.830	1.832		



## P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 0.00 MACH NUMBER 4.00  
 TOTAL PRESSURE 57.81 DYNAMIC PRESSURE 4.264 STATIC PRESSURE .380  
 TOTAL TEMPERATURE 90.0 REYNOLDS NO. 4.32E+05

X/D	ROLL ANGLE					MACH NUMBER				
	0	15	30	60	90	120	150	165	180	
2.411	1.303	1.319	1.306	1.308	1.291	1.278	1.291	1.293	1.295	
4.333	1.317	1.321	1.322	1.334	1.321	1.295	1.296	1.294	1.294	
4.829	.923	.927	.926	.933	.936	.928	.925	.930	.918	
5.077	.866	.868	.868	.874	.883	.880	.875	.873	.872	
5.325	.810	.812	.911	.816	.841	.855	.851	.850	.849	
5.821	.845	.845	.847	.851	.857	.858	.856	.853	.852	
6.566					.856	.855	.851	.852	.849	
7.558	.916	.916	.915	.918	.914	.907	.907	.907	.906	
8.550	.933	.935	.932	.932	.934	.935	.940	.947	.934	
9.542	.947	.946	.945	.943	.955	.961	.963	.962	.961	
11.402	.963	.962	.960	.956	.962	.965	.970	.994	.956	
12.146	.971	.971	.970	.963	.971	.980	.983	.984	.982	
12.766	.942	.943	.943	.937	.953	.974	.976	.976	.975	
13.014	.972	.971	.969	.963	.958					
13.262	1.038	1.047	1.038	1.025	1.012	1.005	1.009	1.009	1.006	
13.510	1.523	1.527	1.528	1.539	1.530	1.518	1.517	1.514	1.509	
13.758	1.648	1.653	1.653	1.676	1.667	1.644	1.647	1.646	1.633	
14.006	1.711	1.719	1.719	1.740	1.752	1.756	1.757	1.745	1.744	
14.502	1.739	1.744	1.741	1.753	1.761	1.767	1.770	1.764	1.764	
14.998	1.743	1.749	1.745	1.756	1.760	1.754	1.750	1.749	1.751	

P/PINF

CONFIGURATION 17  
 TOTAL PRESSURE 57.80  
 TOTAL TEMPERATURE 90.0  
 ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.  
 -1.02  
 4.264  
 4.32E+05  
 MACH NUMBER  
 STATIC PRESSURE  
 4.00  
 .380

X/D	ROLL ANGLE					MACH NUMBER				
	0	15	30	60	90	120	150	165	180	
2.411	1.372	1.385	1.372	1.343	1.294	1.251	1.240	1.231	1.233	
4.333	1.389	1.390	1.384	1.349	1.317	1.260	1.239	1.232	1.232	
4.829	.953	.951	.951	.946	.927	.908	.902	.907	.896	
5.077	.891	.890	.890	.884	.874	.866	.860	.858	.856	
5.325	.836	.840	.836	.828	.835	.842	.835	.830	.829	
5.821	.673	.674	.672	.665	.653	.643	.636	.630	.630	
6.566					.850	.843	.838	.837	.833	
7.558	.929	.929	.927	.924	.910	.900	.900	.899	.899	
8.550	.940	.939	.939	.935	.928	.931	.935	.941	.931	
9.542	.949	.948	.948	.942	.949	.957	.961	.960	.960	
11.402	.962	.959	.960	.954	.957	.962	.972	.978	.968	
12.146	.971	.968	.970	.961	.967	.979	.984	.985	.983	
12.766	.944	.945	.943	.937	.952	.972	.976	.976	.977	
13.014	.972	.972	.971	.962	.955					
13.262	1.019	1.029	1.022	1.013	1.007	1.020	1.026	1.029	1.029	
13.510	1.617	1.614	1.608	1.584	1.526	1.477	1.447	1.436	1.433	
13.758	1.795	1.792	1.783	1.752	1.665	1.586	1.547	1.531	1.517	
14.006	1.843	1.839	1.834	1.806	1.751	1.691	1.634	1.606	1.604	
14.502	1.818	1.819	1.815	1.793	1.754	1.714	1.688	1.674	1.675	
14.998	1.827	1.827	1.820	1.798	1.754	1.712	1.688	1.673	1.673	

[illegible]

CONFIGURATION	17	ANGLE OF ATTACK	--4.00	MACH NUMBER	4.00
TOTAL PRESSURE	57.82	DYNAMIC PRESSURE	4.265	STATIC PRESSURE	.380
TOTAL TEMPERATURE	90.0	REYNOLDS NO.	4.32E+03		

X/D	ROLL ANGLE							
	0	15	30	60	90	120	150	180
2.411	1.673	1.673	1.619	1.437	1.327	1.103	1.091	1.071
4.333	1.663	1.639	1.606	1.443	1.239	1.109	1.098	1.102
6.029	1.103	1.099	1.066	.965	.845	.790	.821	.861
8.077	1.041	1.035	1.003	.904	.796	.736	.802	.841
10.323	.991	.983	.951	.853	.771	.746	.786	.811
12.821	1.027	1.020	.984	.882	.777	.739	.786	.791
16.566				.901	.803	.736	.796	.803
19.530	1.046	1.037	1.001	.888	.811	.813	.857	.873
22.530	1.020	1.020	.986	.882	.831	.849	.897	.912
25.562	1.026	1.016	.983	.879	.836	.907	.922	.942
28.602	1.016	1.003	.971	.864	.872	.923	.926	.947
31.746	1.020	1.010	.976	.864	.861	.910	.936	.959
34.914	.994	.987	.951	.850	.868		.926	.951
38.014	1.019	1.014	.978	.890	.913	.982	.994	.993
41.262	1.041	1.042	1.006	.923	1.477	1.346	1.292	1.313
44.510	1.033	1.018	1.047	1.046	1.635	1.448	1.374	1.349
47.736	2.113	2.097	2.029	1.839	1.630	1.518	1.462	1.531
51.006	2.099	2.073	2.013	1.833	1.620	1.508	1.464	1.508
54.332	2.036	2.044	1.984	1.811	1.617	1.513	1.496	1.537
57.698	2.086	2.073	2.000	1.831				

[illegible]

# P/PINF

CONFIGURATION 17 ANGLE OF ATTACK 10.34 MACH NUMBER 4.50  
 TOTAL PRESSURE 72.10 DYNAMIC PRESSURE 3.531 STATIC PRESSURE .249  
 TOTAL TEMPERATURE 99.0 REYNOLDS NO. 4.09E+05

X/D	ROLL ANGLE				
	0	15	30	60	90
2.411	.824	.788	.774	.704	1.026
4.333	.851	.757	.742	.658	1.039
4.829	.557	.562	.562	.469	.674
5.077	.542	.553	.536	.479	.618
5.325	.521	.510	.494	.469	.572
5.821	.565	.503	.483	.478	.559
6.566					.493
7.558	.641	.541	.519	.511	.509
8.550	.634	.559	.529	.525	.500
9.542	.645	.582	.546	.532	.498
11.402	.663	.615	.571	.548	.502
12.146	.659	.632	.578	.552	.515
12.766	.639	.614	.562	.536	.508
13.014	.652	.632	.585	.572	.630
13.262	.668	.709	.687	.645	.624
13.510	1.362	1.327	.883	.777	.837
13.758	1.387	1.370	.937	.862	.977
14.006	1.373	1.297	.865	.892	1.030
14.502	1.310	1.144	.743	.617	1.038
14.998	1.315	.999	.743	.783	1.091
					2.135
					2.087
					3.131
					3.089
					3.035
					1.976
					1.775
					.897
					1.571
					1.641
					3.377
					3.523
					3.595
					3.619
					3.635
					3.496
					3.475
					3.163
					1.415
					1.443
					1.470
					1.488
					1.501
					1.676
					1.731
					1.800
					1.819
					1.857
					1.793
					1.873
					2.867
					2.936
					3.050
					2.985

X/D	CONFIGURATION		17		ANGLE OF ATTACK		8.25		MACH NUMBER		4.50	
	TOTAL PRESSURE		72.11		DYNAMIC PRESSURE		3.532		STATIC PRESSURE		.249	
	TOTAL TEMPERATURE		99.0		REYNOLDS NO.		4.09E+05					
	0	15	30	60	90	120	150	165	180			
	.931	.917	.890	.831	1.061	1.665	2.274	2.494	2.572			
	.937	.926	.889	.798	1.072	1.665	2.256	2.442	2.529			
	.661	.702	.662	.540	.695	1.079	1.458	1.592	1.631			
	.658	.673	.623	.535	.638	1.016	1.382	1.505	1.551			
	.611	.618	.574	.519	.595	.985	1.349	1.472	1.518			
	.637	.620	.577	.550	.579	.959	1.326	1.456	1.502			
	.736	.635	.598	.589	.513	.906	1.274	1.401	1.452			
	.729	.631	.608	.615	.538	.916	1.294	1.418	1.471			
	.737	.651	.622	.631	.545	.897	1.279	1.413	1.448			
	.765	.681	.658	.644	.563	.879	1.270	1.404	1.452			
	.773	.699	.669	.649	.585	.828	1.246	1.398	1.440			
	.756	.678	.654	.623	.595	.834	1.245	1.388	1.441			
	.774	.699	.679	.659	.587	.817	1.220	1.358	1.415			
	.802	.808	.783	.758	.711	.824	1.209	1.338	1.384			
	1.660	1.417	1.012	.938	.918	1.604	2.460	2.736	2.849			
	1.759	1.474	1.085	1.035	1.067	1.820	2.649	2.942	3.024			
	1.775	1.387	1.021	1.078	1.121	1.883	2.706	2.978	3.094			
	1.762	1.201	.886	1.030	1.124	1.924	2.739	3.003	3.112			
	1.763	.985	.878	1.005	1.170	1.969	2.758	3.011	3.111			

# P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		MACH NUMBER		ROLL ANGLE		MACH NUMBER		ROLL ANGLE	
	TOTAL PRESSURE		DYNAMIC PRESSURE		3.532		60		3.532		90	
	TOTAL TEMPERATURE		REYNOLDS NO.		4.10E+05		120		4.10E+05		150	
	0	15	30	60	90	120	150	165	180			
2.411	1.035	1.036	.997	.969	1.152	1.544	1.963	2.099	2.153			
4.333	1.051	1.050	1.012	.977	1.163	1.548	1.941	2.059	2.121			
4.829	.799	.793	.728	.656	.762	1.013	1.261	1.351	1.377			
5.077	.766	.752	.694	.613	.701	.945	1.189	1.268	1.302			
5.325	.716	.703	.658	.577	.649	.914	1.159	1.240	1.274			
5.821	.740	.720	.686	.626	.645	.895	1.146	1.231	1.264			
6.566					.594	.857	1.116	1.196	1.237			
7.558	.804	.763	.702	.676	.626	.870	1.125	1.202	1.241			
8.550	.833	.771	.736	.692	.621	.855	1.116	1.208	1.230			
9.542	.854	.782	.759	.715	.635	.842	1.116	1.208	1.242			
11.402	.864	.788	.770	.750	.676	.805	1.099	1.205	1.236			
12.146	.866	.790	.771	.757	.692	.808	1.099	1.199	1.236			
12.766	.839	.758	.747	.730	.680	.793	1.076	1.174	1.217			
13.014	.863	.785	.786	.762	.697							
13.262	.914	.915	.888	.872	.806	304	1.075	1.163	1.202			
13.510	1.717	1.404	1.094	1.131	1.139	1.528	2.131	2.325	2.412			
13.758	1.825	1.417	1.184	1.225	1.322	1.760	2.355	2.566	2.622			
14.006	1.840	1.283	1.163	1.240	1.384	1.833	2.414	2.607	2.692			
14.502	1.776	1.071	1.127	1.193	1.379	1.864	2.432	2.618	2.699			
14.998	1.713	1.158	1.234	1.221	1.422	1.908	2.446	2.621	2.693			



## P/PINF

X/D	CONFIGURATION		17		ANGLE OF ATTACK		4.11		MACH NUMBER		4.50	
	TOTAL PRESSURE		72.12		DYNAMIC PRESSURE		3.532		STATIC PRESSURE		.249	
	TOTAL TEMPERATURE		99.0		REYNOLDS NO.		4.10E+05					
	0	15	30	60	90	120	150	165	180			
2.411	1.116	1.132	1.112	1.126	1.245	1.464	1.706	1.781	1.806			
4.333	1.154	1.148	1.131	1.162	1.268	1.468	1.689	1.752	1.780			
4.829	.898	.852	.800	.788	.851	.977	1.115	1.170	1.178			
5.077	.860	.828	.765	.729	.785	.907	1.041	1.090	1.103			
5.325	.790	.768	.730	.679	.739	.881	1.015	1.062	1.083			
5.821	.778	.766	.751	.713	.740	.871	1.010	1.063	1.079			
6.566					.707	.854	.987	1.029	1.054			
7.558	.867	.852	.823	.770	.753	.872	1.005	1.044	1.062			
8.550	.903	.882	.859	.795	.756	.870	1.007	1.056	1.066			
9.542	.930	.911	.885	.827	.766	.871	1.017	1.067	1.087			
11.402	.946	.918	.899	.863	.788	.858	1.015	1.077	1.090			
12.146	.948	.920	.900	.875	.807	.866	1.017	1.073	1.093			
12.766	.919	.883	.870	.846	.792	.854	.999	1.055	1.076			
13.014	.940	.903	.894	.871	.800							
13.262	1.042	1.036	1.010	.985	.885	.876	1.005	1.055	1.074			
13.510	1.565	1.387	1.269	1.333	1.398	1.580	1.890	1.997	2.041			
13.758	1.629	1.414	1.360	1.447	1.598	1.831	2.148	2.273	2.293			
14.006	1.605	1.427	1.431	1.483	1.660	1.921	2.218	2.329	2.369			
14.502	1.593	1.481	1.482	1.466	1.631	1.933	2.232	2.334	2.373			
14.998	1.692	1.530	1.537	1.517	1.663	1.955	2.236	2.337	2.368			

P/PINF

X/D	CONFIGURATION		ANGLE OF ATTACK		ROLL ANGLE		MACH NUMBER		STATIC PRESSURE	
	TOTAL PRESSURE		DYNAMIC PRESSURE		60 90		2.04		4.50	
	TOTAL TEMPERATURE		REYNOLDS NO.				3.532		4.09E+05	
	0	15	30		60	90	120	150	165	180
2.411	1.219	1.236	1.233	1.266	1.314		1.392	1.501	1.521	1.525
4.333	1.255	1.259	1.256	1.296	1.344		1.412	1.500	1.531	1.537
4.829	.927	.922	.906	.898	.917		.961	1.017	1.047	1.048
5.077	.876	.872	.850	.836	.855		.898	.950	.972	.975
5.325	.803	.799	.783	.774	.807		.872	.921	.945	.946
5.821	.805	.802	.800	.795	.818		.869	.914	.939	.943
6.566					.803		.854	.903	.911	.924
7.558	.889	.890	.877	.865	.865		.894	.929	.940	.951
8.550	.924	.921	.908	.887	.884		.915	.949	.971	.966
9.542	.952	.951	.935	.910	.901		.933	.974	.993	.996
11.402	.975	.971	.957	.933	.914		.943	.986	1.015	1.013
12.146	.980	.978	.961	.943	.931		.955	.995	1.016	1.022
12.766	.946	.941	.931	.914	.911		.946	.985	1.002	1.009
12.766	.969	.963	.955	.936	.913					
13.014	1.084	1.089	1.066	1.030	.978		.971	1.001	1.015	1.021
13.262	1.429	1.424	1.425	1.489	1.537		1.611	1.707	1.741	1.751
13.510	1.506	1.512	1.529	1.631	1.731		1.839	1.955	2.010	2.002
13.758	1.544	1.559	1.588	1.706	1.836		1.965	2.072	2.114	2.123
14.036	1.618	1.619	1.653	1.703	1.824		1.967	2.079	2.122	2.133
14.502	1.716	1.700	1.694	1.739	1.842		1.971	2.075	2.116	2.124

4.50

X/D	ROLL ANGLE								
	0	15	30	60	90	120	150	165	180
2.411	1.289	1.305	1.296	1.329	1.335	1.352	1.394	1.412	1.424
4.333	1.320	1.322	1.318	1.352	1.367	1.382	1.426	1.440	1.441
4.829	.941	.940	.935	.942	.946	.959	.983	1.004	.998
5.077	.884	.886	.875	.881	.884	.899	.920	.931	.932
5.325	.811	.811	.809	.810	.832	.870	.889	.898	.899
5.821	.824	.822	.820	.830	.842	.868	.879	.890	.891
6.566					.833	.856	.874	.873	.876
7.558	.903	.900	.893	.900	.903	.902	.910	.911	.910
8.550	.929	.927	.919	.918	.921	.930	.934	.948	.941
9.542	.955	.954	.945	.939	.941	.954	.963	.974	.977
11.402	.976	.973	.963	.954	.952	.968	.982	1.000	.995
12.146	.982	.981	.969	.963	.966	.982	.991	1.004	1.006
12.766	.946	.944	.937	.930	.944	.972	.982	.990	.993
13.014	.970	.969	.962	.954	.948				
13.262	1.077	1.084	1.062	1.043	1.016	1.007	1.013	1.017	1.020
13.510	1.464	1.466	1.476	1.532	1.557	1.576	1.612	1.622	1.626
13.758	1.564	1.566	1.588	1.679	1.736	1.770	1.816	1.844	1.830
14.006	1.625	1.630	1.657	1.767	1.855	1.919	1.969	1.985	1.987
14.502	1.723	1.723	1.730	1.788	1.865	1.943	1.996	2.015	2.019
14.998	1.801	1.794	1.796	1.831	1.890	1.950	1.995	2.015	2.020

CONFIGURATION	17	ANGLE OF ATTACK	0.00	MACH NUMBER	4.50
TOTAL PRESSURE	72.11	DYNAMIC PRESSURE	3.532	STATIC PRESSURE	.249
TOTAL TEMPERATURE	99.0	REYNOLDS NO.	4.09E+05		

235

X/D	CONFIGURATION		17		ANGLE OF ATTACK		-1.02		MACH NUMBER		4.50	
	TOTAL PRESSURE		72.12		DYNAMIC PRESSURE		3.532		STATIC PRESSURE		.249	
	TOTAL TEMPERATURE		99.0		REYNOLDS NO.		4.10E+05					
	0	15	30	ROLL ANGLE		120	150	165	180			
				60	90							
2.411	1.474	1.482	1.459	1.431	1.353	1.268	1.240	1.244	1.239			
4.333	1.489	1.480	1.470	1.447	1.372	1.311	1.291	1.285	1.249			
4.829	1.033	.998	.991	.986	.963	.941	.934	.942	.934			
5.077	.930	.924	.916	.913	.897	.880	.881	.885	.886			
5.325	.858	.856	.850	.844	.846	.833	.844	.846	.849			
5.821	.883	.879	.877	.866	.852	.845	.829	.834	.834			
6.566					.847	.833	.824	.820	.819			
7.550	.940	.935	.930	.934	.914	.889	.878	.877	.879			
8.550	.950	.947	.942	.945	.937	.924	.919	.931	.928			
9.542	.968	.965	.957	.959	.957	.956	.956	.966	.969			
11.402	.983	.980	.969	.968	.968	.975	.978	.992	.987			
12.146	.987	.985	.978	.976	.979	.990	.990	.997	.998			
12.766	.953	.951	.946	.943	.959	.964	.979	.984	.988			
13.014	.976	.973	.967	.964	.960							
13.262	1.041	1.049	1.032	1.036	1.034	1.042	1.046	1.054	1.052			
13.510	1.658	1.650	1.635	1.623	1.558	1.480	1.442	1.432	1.435			
13.758	1.875	1.863	1.847	1.821	1.730	1.615	1.555	1.551	1.537			
14.006	1.979	1.969	1.950	1.920	1.848	1.739	1.659	1.642	1.636			
14.502	1.979	1.974	1.957	1.921	1.879	1.812	1.760	1.752	1.749			
14.998	2.027	2.017	2.001	1.965	1.908	1.839	1.802	1.801	1.803			

# P/PINF

CONFIGURATION 17  
 TOTAL PRESSURE 72.09  
 TOTAL TEMPERATURE 99.0  
 ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.  
 -2.03  
 3.531  
 4.09E+05  
 MACH NUMBER  
 STATIC PRESSURE  
 4.50  
 .249

X/O	ROLL ANGLE				MACH NUMBER			
	0	15	30	60	90	120	150	180
2.411	1.589	1.589	1.556	1.472	1.335	1.222	1.188	1.180
4.333	1.592	1.582	1.564	1.484	1.362	1.263	1.233	1.217
4.829	1.053	1.051	1.040	.996	.937	.900	.912	.920
5.077	.974	.965	.963	.921	.871	.850	.868	.878
5.325	.905	.898	.891	.854	.825	.823	.836	.840
5.821	.930	.922	.914	.875	.834	.820	.815	.817
6.566					.827	.810	.803	.802
7.558	.978	.973	.962	.935	.891	.864	.865	.871
8.550	.980	.973	.967	.940	.911	.900	.915	.922
9.542	.991	.987	.978	.950	.930	.936	.955	.967
11.402	.999	.995	.985	.953	.945	.959	.977	.984
12.146	1.012	.998	.987	.960	.959	.974	.990	.996
12.766	.968	.963	.951	.926	.940	.968	.978	.986
13.014	.990	.983	.973	.950	.941			
13.262	1.039	1.041	1.031	1.012	1.010	1.029	1.049	1.056
13.510	1.784	1.771	1.746	1.666	1.557	1.449	1.399	1.404
13.758	2.052	2.034	2.006	1.901	1.746	1.583	1.507	1.486
14.006	2.120	2.103	2.075	1.978	1.857	1.701	1.598	1.564
14.502	2.008	2.075	2.049	1.958	1.861	1.746	1.665	1.641
14.998	2.132	2.120	2.095	2.000	1.883	1.762	1.713	1.718

X/D	CONFIGURATION		17		ANGLE OF ATTACK		-4.07		MACH NUMBER		4.50	
	TOTAL PRESSURE		72.12		DYNAMIC PRESSURE		3.532		STATIC PRESSURE		.249	
	TOTAL TEMPERATURE		99.0		REYNOLDS NO.		4.10E+05					
	0	15	30	ROLL ANGLE		120	150	165	180			
				60	90							
2.411	1.859	1.843	1.774	1.558	1.273	1.111	1.091	1.091	1.092			
4.333	1.847	1.824	1.766	1.564	1.308	1.141	1.108	1.114	1.117			
4.829	1.196	1.182	1.148	1.025	.886	.797	.816	.863	.882			
5.077	1.134	1.088	1.055	.943	.815	.751	.796	.836	.855			
5.325	1.035	1.019	.986	.876	.770	.735	.779	.807	.820			
5.821	1.064	1.049	1.015	.893	.772	.744	.770	.780	.763			
6.536					.745	.731	.762	.770	.773			
7.558	1.099	1.083	1.045	.923	.796	.782	.818	.832	.847			
8.550	1.084	1.068	1.032	.913	.811	.824	.866	.882	.898			
9.562	1.083	1.067	1.027	.910	.817	.864	.903	.916	.938			
11.402	1.075	1.057	1.017	.896	.843	.896	.914	.926	.952			
12.146	1.073	1.055	1.013	.895	.860	.912	.922	.933	.960			
12.766	1.033	1.016	.975	.857	.848	.908	.911	.921	.950			
13.014	1.054	1.036	.996	.879	.848							
13.262	1.090	1.077	1.037	.933	.925	.984	.992	1.006	1.021			
13.510	2.063	2.027	1.936	1.673	1.469	1.319	1.265	1.408	1.551			
13.758	2.364	2.307	2.213	1.939	1.079	1.445	1.356	1.435	1.616			
14.006	2.364	2.326	2.233	1.975	1.749	1.543	1.461	1.456	1.629			
14.532	2.320	2.290	2.204	1.953	1.725	1.557	1.536	1.527	1.635			
14.998	2.378	2.347	2.264	2.008	1.750	1.586	1.565	1.559	1.709			

P/PINF

(Minus Roll Angles)

CONFIGURATION 17 ANGLE OF ATTACK 0.00 MACH NUMBER 1.75  
 TOTAL PRESSURE 19.82 DYNAMIC PRESSURE 7.980 STATIC PRESSURE 3.722  
 TOTAL TEMPERATURE 96.0 REYNOLDS NO. 4.49E+05

X/D	ROLL ANGLE					
	360	345	330	300	270	180
2.411	1.110	1.119	1.120	1.123	1.121	1.131
4.333	1.112	1.109	1.110	1.111	1.107	1.109
4.829	.867	.862	.863	.864	.855	.881
5.077	.897	.891	.892	.893	.897	.908
5.325	.911	.905	.905	.905	.913	.928
5.821	.947	.942	.942	.941	.944	.951
6.566					.973	.980
7.550	1.012	1.008	1.009	1.009	1.002	.999
8.553	1.012	1.008	1.011	1.015	1.010	1.017
9.542	1.035	.997	1.005	1.006	1.014	1.020
11.402	1.014	1.007	1.007	1.006	1.020	1.029
12.146	1.010	1.009	1.008	1.005	1.010	1.026
12.766	1.020	1.010	1.009	1.008	1.007	1.016
13.014	1.027	1.019	1.019	1.016	1.018	
13.262	1.187	1.170	1.169	1.159	1.162	1.163
13.510	1.369	1.364	1.365	1.368	1.361	1.359
13.750	1.356	1.348	1.350	1.355	1.349	1.352
14.036	1.314	1.306	1.308	1.312	1.320	1.328
14.502	1.281	1.276	1.277	1.285	1.275	1.276
14.998	1.262	1.255	1.255	1.263	1.264	1.265



CONFIGURATION	17	ANGLE OF ATTACK	8.36	MACH NUMBER	1.75
TOTAL PRESSURE	19.83	DYNAMIC PRESSURE	7.983	STATIC PRESSURE	3.724
TOTAL TEMPERATURE	94.0	REYNOLDS NO.	4.49E+05		

X/D	ROLL ANGLE								
	360	345	330	300	270	240	210	195	180
2.411	1.036	1.022	1.013	.979	1.002	1.111	1.241	1.284	1.307
4.333	1.034	1.026	1.022	.982	.989	1.083	1.213	1.254	1.271
4.829	.798	.824	.816	.749	.760	.848	.958	.993	1.015
5.077	.868	.851	.840	.779	.781	.867	.980	1.015	1.030
5.325	.893	.881	.871	.801	.784	.874	.987	1.023	1.042
5.821	.948	.934	.921	.851	.794	.873	.990	1.027	1.046
6.566					.824	.870	.988	1.028	1.046
7.558	1.007	.979	.962	.947	.867	.883	.988	1.026	1.043
8.550	1.012	.965	.955	.954	.893	.919	.991	1.027	1.057
9.542	1.006	.953	.952	.953	.903	.937	1.013	1.050	1.072
11.402	.995	.949	.963	.960	.913	.936	1.022	1.058	1.085
12.146	.999	.955	.964	.957	.916	.941	1.034	1.068	1.085
12.766	1.010	.968	.965	.961	.916	.931	1.022	1.057	1.078
13.014	1.009	.974	.978	.974	.922				
13.262	1.013	.994	1.117	1.139	1.013	.964	1.049	1.085	1.107
13.510	1.512	1.398	1.241	1.226	1.289	1.321	1.437	1.482	1.508
13.758	1.450	1.313	1.222	1.214	1.242	1.316	1.426	1.473	1.509
14.006	1.253	1.163	1.170	1.198	1.202	1.308	1.418	1.461	1.486
14.502	1.239	1.161	1.143	1.173	1.170	1.266	1.396	1.443	1.471
14.998	1.219	1.123	1.122	1.150	1.154	1.260	1.393	1.436	1.455

P/PINF

(Minus Roll Angles)

CONFIGURATION 17 ANGLE OF ATTACK 0.00 MACH NUMBER 3.00  
 TOTAL PRESSURE 36.21 DYNAMIC PRESSURE 6.210 STATIC PRESSURE .985  
 TOTAL TEMPERATURE 97.0 REYNOLDS NO. 4.48E+05

X/D	ROLL ANGLE					
	360	345	330	300	270	180
2.411	1.202	1.206	1.207	1.212	1.212	1.224
4.333	1.202	1.203	1.205	1.213	1.204	1.193
4.829	.869	.870	.870	.875	.870	.862
5.077	.841	.842	.842	.846	.845	.841
5.325	.845	.846	.846	.851	.854	.854
5.821	.886	.884	.883	.883	.879	.874
6.566					.910	.914
7.558	.948	.946	.945	.946	.944	.939
8.550	.966	.961	.963	.963	.960	.950
9.542	.970	.968	.967	.962	.966	.966
11.402	.986	.978	.979	.976	.981	.992
12.146	.989	.987	.986	.983	.993	.990
12.766	.994	.992	.995	.998	.993	1.002
13.014	.999	.998	.997	1.001	1.001	.999
13.262	1.028	1.026	1.026	1.001	1.003	
13.510	1.506	1.508	1.513	1.026	1.038	1.040
13.758	1.585	1.592	1.593	1.527	1.516	1.505
14.006	1.560	1.560	1.562	1.611	1.590	1.567
14.502	1.528	1.527	1.528	1.574	1.583	1.587
14.998	1.512	1.513	1.513	1.535	1.537	1.534
				1.522	1.507	1.503
						1.500
						1.490
						1.045
						1.501
						1.563
						1.585
						1.533
						1.490
						1.041
						1.504
						1.567
						1.587
						1.535
						1.500
						.996
						1.039
						1.509
						1.573
						1.591
						1.538
						1.511

(Minus Roll Angles)

X/D	CONFIGURATION		17	ANGLE OF ATTACK		8.38	MACH NUMBER		3.00
	TOTAL PRESSURE		36.21	DYNAMIC PRESSURE		6.210	STATIC PRESSURE		.985
	TOTAL TEMPERATURE		97.0	REYNOLDS NO.		4.48E+05			
	360	345	330	ROLL ANGLE		240	210	195	180
				300	270				
2.411	.997	.977	.969	.868	.944	1.252	1.601	1.699	1.752
4.333	.996	.980	.971	.877	.944	1.228	1.564	1.665	1.708
4.829	.733	.762	.734	.616	.650	.856	1.101	1.174	1.705
5.077	.740	.727	.712	.604	.633	.843	1.094	1.171	1.207
5.525	.734	.729	.719	.618	.631	.851	1.102	1.179	1.212
5.821	.786	.775	.756	.645	.615	.831	1.091	1.167	1.204
6.566					.572	.813	1.076	1.157	1.193
7.558	.888	.819	.794	.735	.561	.785	1.057	1.138	1.175
8.550	.912	.805	.787	.774	.593	.759	1.041	1.124	1.160
9.542	.921	.775	.766	.791	.657	.737	1.027	1.115	1.152
11.402	.929	.772	.770	.833	.772	.722	1.020	1.109	1.146
12.146	.915	.779	.789	.837	.794	.737	1.026	1.120	1.156
12.766	.912	.799	.815	.849	.797	.763	1.019	1.110	1.148
13.014	.915	.815	.834	.853	.775				
13.262	.917	.865	.892	.907	.829	.801	1.030	1.115	1.156
13.518	1.639	1.416	1.241	1.227	1.278	1.399	1.779	1.925	1.991
13.750	1.726	1.374	1.187	1.242	1.253	1.418	1.775	1.919	1.982
14.006	1.702	1.269	1.085	1.183	1.221	1.451	1.798	1.938	1.996
14.502	1.644	1.044	1.097	1.135	1.191	1.465	1.822	1.944	2.001
14.998	1.407	1.002	1.152	1.135	1.178	1.480	1.848	1.964	2.021

[illegible]

[illegible]

P/PINF

(Odd Reynolds Number)

CONFIGURATION 17 ANGLE OF ATTACK 0.00 MACH NUMBER 4.50  
 TOTAL PRESSURE 52.17 DYNAMIC PRESSURE .180  
 TOTAL TEMPERATURE 99.0 REYNOLDS NO. 2.96E+05

ROLL ANGLE  
 60 90 120 150 180

X/D	0	15	30	60	90	120	150	180
2.411	1.367							1.312
4.333	1.399							1.351
4.829	.952							.944
5.077	.885							.878
5.325	.820							.858
5.621	.843							.854
6.566								.836
7.558	.910							.888
8.550	.939							.935
9.542	.957							.966
11.402	.979							.992
12.146	.980							.996
12.766	.937							.987
13.014	.967							
13.262	1.073							1.037
13.510	1.539							1.513
13.758	1.690							1.681
14.006	1.770							1.810
14.502	1.831							1.891
14.998	1.890							1.916

P/PINF

CONFIGURATION 17  
 TOTAL PRESSURE 39.35  
 TOTAL TEMPERATURE 99.0

ANGLE OF ATTACK  
 DYNAMIC PRESSURE  
 REYNOLDS NO.

(Odd Mach Number)  
 0.00 MACH NUMBER  
 1.580 STATIC PRESSURE  
 1.98E+05

4.75  
 .100

ROLL ANGLE

180

165

150

120

90

60

30

15

0

X/D

2.411	1.433	1.354
4.333	1.461	1.420
4.829	.991	.987
5.077	.919	.923
5.325	.842	.899
5.821	.869	.887
6.566		.865
7.558	.923	.900
8.550	.932	.927
9.542	.946	.945
11.402	.978	.977
12.146	1.038	1.046
12.766	1.090	1.157
13.014	1.165	
13.262	1.222	1.179
13.510	1.299	1.287
13.758	1.436	1.439
14.006	1.564	1.590
14.502	1.678	1.782
14.998	1.840	1.884

P/PINF

(Odd Mach and Reynolds Number)

CONFIGURATION 17 ANGLE OF ATTACK 0.00 MACH NUMBER 4.75  
 TOTAL PRESSURE 70.73 DYNAMIC PRESSURE 2.840 STATIC PRESSURE .180  
 TOTAL TEMPERATURE 99.0 REYNOLDS NO. 3.56E+05

X/D	0	15	30	ROLL ANGLE			165	180
				60	90	120		
2.411	1.425							1.369
4.333	1.468							1.402
4.829	.992							.980
5.077	.913							.909
5.325	.841							.880
5.821	.863							.873
6.566								.859
7.558	.920							.900
8.550	.933							.932
9.542	.946							.956
11.402	.966							.979
12.146	.975							.991
12.766	.942							.989
13.014	.971							
13.262	1.080							1.042
13.510	1.552							1.532
13.758	1.709							1.701
14.006	1.801							1.841
14.502	1.872							1.941
14.998	1.953							1.971



## P/PINF

(Odd Mach Number)

CONFIGURATION	17	ANGLE OF ATTACK	0.00	MACH NUMBER	5.00
TOTAL PRESSURE	52.41	DYNAMIC PRESSURE	1.750	STATIC PRESSURE	.100
TOTAL TEMPERATURE	99.0	REYNOLDS NO.	2.36E+05		

ROLL ANGLE

0

30

60

90

120

150

180

X/D

2.411	1.496
4.333	1.527
4.829	1.021
5.077	.940
5.325	.870
5.821	.892
6.560	
7.558	.949
8.590	.992
9.542	.961
11.402	.993
12.146	1.102
12.766	1.143
13.014	1.224
13.262	1.264
13.510	1.354
13.758	1.405
14.006	1.531
14.502	1.685
14.998	1.870

1.432
1.489
1.024
.943
.920
.908
.879
.932
.951
.966
1.002
1.102
1.224
1.230
1.311
1.430
1.599
1.867
2.015

P/P INP

(Odd Mach and Reynolds Number)

CONFIGURATION		17	ANGLE OF ATTACK		0.00	MACH NUMBER		5.00	
TOTAL PRESSURE		95.24	DYNAMIC PRESSURE		3.150	STATIC PRESSURE		.180	
TOTAL TEMPERATURE		60.0	REYNOLDS NO.		4.26E+09				
		0	15	30	ROLL. ANGLE		120	150	180
	X/D				60	90			
	2.411	1.523							1.473
	4.333	1.504							1.502
	4.829	1.036							1.013
	5.077	.960							.941
	5.325	.891							.923
	5.556	.915							.910
	6.566								.905
	7.558	.980							.957
	8.550	.998							.999
	9.542	1.020							1.034
	11.402	1.041							1.053
	12.166	1.042							1.063
	12.766	1.031							1.057
	13.014	1.033							
	13.262	1.129							1.095
	13.510	1.731							1.705
	13.758	1.884							1.898
	14.006	1.984							2.053
	14.252	2.012							2.111
	14.498	2.070							2.111

P/PINF  
(Odd Mach and Reynolds Number)

	CONFIGURATION	17	ANGLE OF ATTACK	0.00	MACH NUMBER	5.00
	TOTAL PRESSURE	31.69	DYNAMIC PRESSURE	1.048	STATIC PRESSURE	.060
	TOTAL TEMPERATURE	99.0	REYNOLDS NO.	1.41E+05		

	0	15	30	ROLL ANGLE	120	150	180
				60	90		
X/D							
2.411	1.519						1.430
4.333	1.555						1.490
4.829	1.070						1.064
5.077	.980						.978
5.325	.889						.943
5.821	.895						.937
6.566							.889
7.558	.966						.930
8.550	.959						.959
9.542	.971						.970
11.032	1.008						1.015
12.146	1.147						1.153
12.766	1.187						1.253
13.014	1.245						
13.262	1.297						1.244
13.510	1.337						1.313
13.758	1.391						1.401
14.036	1.464						1.511
14.502	1.546						1.692
14.998	1.694						1.801

UNCLASSIFIED

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11. SUPPLEMENTARY NOTES		12. SPONSORING MILITARY ACTIVITY  Same as No. 1	
13. ABSTRACT  Pressure distribution data are presented for four cone-cylinder-flare configurations at Mach numbers of 1.75 to 4.5. The angle of attack range was from -4 to +12 degrees. Roll angles ranged from 0 to 180 degrees. The Reynolds number remained constant at approximately $0.45 \times 10^6$ per inch. The boundary layer was made turbulent with a grit ban. The basic pressure data ( $P/P_\infty$ ) are presented in tabular form with the test conditions printed on each table.			

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14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Pressure distribution data Mach number range 1.75 to 4.5 Cone-cylinder-flare configurations Angle of attack -4 to +12 degrees Roll angles 0 to 180 degrees						